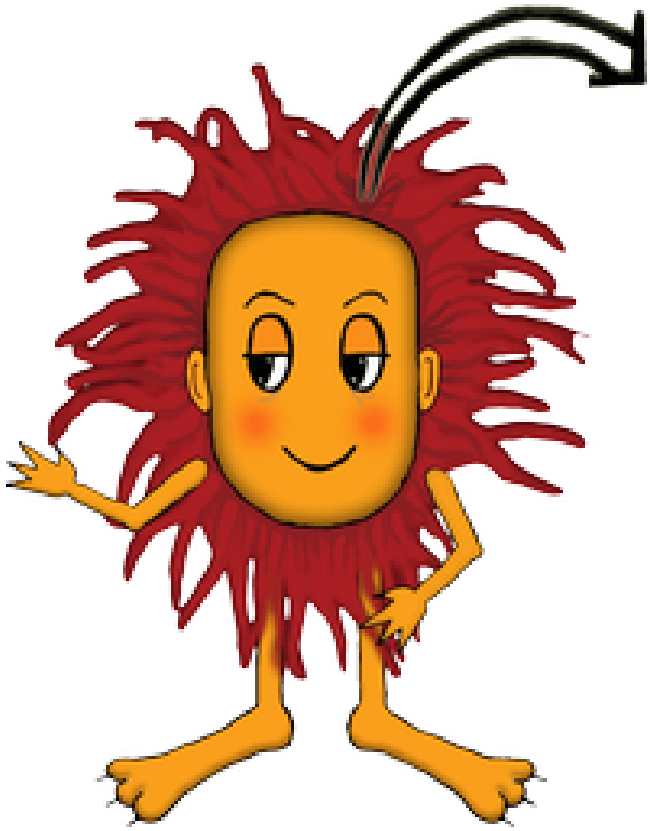
Velika logična pošast



Operacije z enočleniki

Dana sta izraza A in B.
Izračunaj $A+B$, $A-B$, $A \times B$ in $A:B$.
Pri vsoti in razliki izpostavi skupne faktorje.

1.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$6\,x^3\,y^4$	$10\,y^4$				
$-2\,x^2\,y$	$-5\,x^2\,y^2$				
$-9\,x\,y^3$	$-5\,y^4$				
$-5\,x^3\,y$	$8\,x^2\,y^2$				
$11\,x^3\,y^3$	$-4\,x^2\,y^3$				
$-3\,x^3\,y^3$	$-11\,x\,y$				
$8\,y^2$	$6\,x^4\,y^2$				
$12\,x\,y^2$	$11\,y$				
$2\,x^4\,y^4$	$-7\,x\,y^3$				
$10\,x^2\,y$	$10\,x\,y^2$				

2.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-8\,y^2$	$6\,y^2$				
$7\,x^4\,y^2$	$7\,x^2\,y^3$				
$4\,y^3$	$9\,y^4$				
$-4\,x^4\,y$	$7\,x^2\,y$				
y	$3\,y$				
$5\,y$	$x^4\,y^2$				
$10\,x^4\,y$	$-x^4\,y^4$				
$-5\,y$	$-9\,x^3\,y^2$				
$3\,x^4\,y^2$	$5\,x^2\,y^2$				
$-3\,y^2$	$-6\,x^2\,y^4$				

3.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$9\,x\,y^4$	$-12\,x^3\,y^3$				
$-6\,y^3$	$-12\,x^4\,y^4$				
$-x^2\,y^3$	$8\,y^4$				
$9\,y^4$	$-5\,x^3\,y^4$				
$x^4\,y^4$	$6\,y^4$				
$7\,x^2\,y$	$-x\,y^3$				
$-10\,x^3\,y^4$	$11\,x^4\,y^4$				
$-10\,x\,y^3$	$-8\,x^2\,y^2$				
$-6\,y^3$	$-8\,x^4\,y^3$				
$-7\,y^4$	$8\,y$				

4.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-9\,x^3\,y^2$	$x^2\,y^3$				
$-x^3\,y$	$10\,y^4$				
y^4	$12\,x^3\,y^4$				
$12\,x\,y^2$	$-4\,x\,y$				
$-7\,y^2$	$-8\,y^4$				
$-6\,y$	$6\,x^2\,y^4$				
$4\,x^2\,y^4$	$2\,x^3\,y$				
$-6\,y^4$	$-8\,x^3\,y^2$				
$2\,x^2\,y^4$	$-2\,y$				
$11\,x^4\,y^2$	$-3\,x^2\,y$				

5.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-3\,x^3\,y^2$	$-9\,x^4\,y^2$				
$-9\,x^4\,y$	$10\,x\,y^4$				
$2\,x^4\,y^3$	$-2\,x\,y^2$				
$-5\,x\,y$	$8\,y$				
$-4\,x^2\,y^3$	$10\,x^2\,y^2$				
$-5\,x^4\,y^2$	$5\,y^4$				
$7\,x^3\,y$	y^2				
$4\,x^3\,y^3$	$-4\,x\,y^3$				
$-11\,x\,y$	$-4\,x^4\,y^2$				
$10\,x\,y$	$11\,x^2\,y$				

6.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$10\,x^3\,y^4$	$11\,y$				
$11\,x^4\,y$	$11\,x^3\,y^4$				
$10\,x^4\,y^3$	$-x^2\,y$				
$-3\,x^3\,y^4$	$-12\,x^2\,y^4$				
$8\,x^2\,y^2$	$10\,x^3\,y^2$				
$-10\,x\,y$	$x^3\,y^2$				
$-8\,x^3\,y^2$	$-x^3\,y$				
$10\,x^2\,y$	$11\,x\,y^3$				
$12\,x^3\,y^4$	$10\,y^3$				
$-10\,y^2$	$-11\,x^2\,y^2$				

7.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-5\,x^3\,y^3$	$9\,x^3\,y^4$				
$7\,x^4\,y^4$	$5\,x^4\,y^3$				
$12\,x^2\,y^4$	$12\,x^3\,y$				
$-3\,x\,y^2$	$10\,x^3\,y^4$				
$-5\,y^2$	$9\,x^4\,y^3$				
$4\,x^2\,y^2$	$10\,y^2$				
$10\,x^4\,y^2$	$-11\,y^2$				
$-10\,y^2$	$-3\,y^4$				
$-7\,y^4$	$-6\,x^4\,y^3$				
$-2\,x^4\,y^3$	$4\,x^4\,y^3$				

8.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$11\,y$	$11\,x^2\,y^2$				
$-x^4\,y$	$-5\,y^4$				
$-6\,x\,y$	$-4\,y^4$				
$10\,x^3\,y$	$-5\,x^4\,y^2$				
$-4\,y^4$	$-11\,x^2\,y^2$				
$6\,x\,y$	$-8\,x\,y^4$				
$-x^4\,y^2$	$6\,x\,y$				
$-x^2\,y$	$-12\,x^2\,y$				
$-12\,x^2\,y^2$	$5\,x^4\,y^3$				
$10\,x^2\,y^3$	$-12\,x^4\,y$				

9.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$11\,x^2\,y$	y^3				
$4\,x^3\,y^2$	$-7\,x^3\,y^2$				
$12\,x^3\,y$	$-7\,y$				
$2\,y^2$	$11\,y^2$				
$-7\,x^2\,y^2$	$2\,x^3\,y$				
$-x\,y$	$-7\,x^2\,y^4$				
$3\,x^2\,y^2$	$-6\,x^4\,y^4$				
$-9\,x^3\,y^3$	$2\,x^3\,y^4$				
$3\,y^2$	$-8\,x\,y^3$				
$-5\,x^3\,y$	$-12\,x^2\,y^2$				

10.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-9\,x^4\,y$	$-8\,x^2\,y^3$				
$9\,y^3$	$-12\,x^3\,y^2$				
$3\,x^4\,y^4$	$4\,x\,y$				
$-x^4\,y^3$	$6\,x^4\,y^2$				
$-5\,x^3\,y^2$	$-12\,y$				
$9\,x^2\,y^2$	$8\,x^2\,y^2$				
$3\,x\,y^3$	$3\,x^2\,y$				
$-7\,x^3\,y^4$	$6\,x^3\,y^2$				
$-3\,x^3\,y^3$	$-10\,x^2\,y$				
$-12\,x^4\,y^2$	$-10\,x^4\,y^4$				

11.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-10\,x^3\,y^3$	$9\,x\,y^4$				
$8\,y^2$	$10\,x^2\,y^3$				
$-11\,x^3\,y$	$-6\,x^3\,y^4$				
$-11\,x^4\,y^2$	$-y^4$				
$-9\,x^2\,y^3$	$-2\,x^3\,y^3$				
$-6\,x^2\,y^4$	$-5\,y$				
$-3\,x^4\,y^2$	$-6\,x^4\,y^4$				
$9\,y^2$	$-12\,x^3\,y^3$				
$2\,y^4$	$-5\,x\,y^2$				
$10\,x\,y^3$	$3\,y^3$				

12.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-8\,x\,y^3$	$6\,y^3$				
$-8\,x^2\,y^4$	$9\,y^3$				
$9\,x^4\,y^2$	$x^2\,y^4$				
$9\,x^2\,y^3$	$-6\,y$				
$4\,x^4\,y^2$	$12\,x\,y^4$				
$-10\,x^2\,y^2$	$12\,x\,y$				
$-11\,x^2\,y$	$-2\,x\,y^2$				
$-8\,x^4\,y^2$	$8\,x^2\,y^2$				
$-6\,y^3$	$5\,x^4\,y$				
$3\,x^2\,y^4$	$3\,x^2\,y$				

13.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$8\,x^3\,y^2$	$11\,x\,y^3$				
$-8\,x^2\,y^3$	$10\,y^2$				
$7\,x^3\,y^2$	$-x^4\,y^3$				
$-8\,x\,y^4$	$-3\,x^4\,y^4$				
$-2\,x\,y^2$	$-5\,x^2\,y^4$				
$5\,x^4\,y^4$	$-3\,x\,y^2$				
$-10\,x^4\,y$	$-3\,x^3\,y^2$				
$x\,y$	$-8\,x^2\,y$				
$-x^4\,y^2$	$-6\,x^2\,y^3$				
$5\,x\,y^2$	$7\,x^2\,y^4$				

14.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$5\,x^3\,y^2$	$-6\,x^2\,y^2$				
$-11\,x^4\,y^4$	$-11\,x^2\,y$				
$12\,x^4\,y^3$	$-9\,x\,y^2$				
$11\,x^4\,y^2$	$2\,x^3\,y^3$				
$3\,x^4\,y^4$	$11\,x^3\,y^2$				
$x\,y^4$	$-11\,y^3$				
$-4\,x^2\,y^2$	$-5\,x^3\,y$				
$7\,x^2\,y^2$	$4\,y^4$				
$-6\,x\,y^2$	$-9\,y^3$				
$3\,x^3\,y^3$	$-11\,x\,y^3$				

15.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-12\,x^4\,y$	y^3				
$2\,x^2\,y^3$	$2\,x^4\,y$				
$11\,x^2\,y$	$-8\,y^4$				
$6\,x^2\,y^2$	$3\,y$				
$-2\,x^4\,y^4$	$-3\,x\,y$				
$-12\,y^3$	$10\,x^3\,y^3$				
$-5\,x^4\,y^3$	$-2\,x^4\,y$				
$6\,x^2\,y^4$	$-4\,x^3\,y^3$				
$12\,x^2\,y^2$	$2\,x^3\,y$				
$-x^4\,y^3$	$-11\,x^3\,y^3$				

16.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-9\,x^3\,y^4$	$-x\,y^4$				
$-2\,x^2\,y$	$9\,x^4\,y$				
$-2\,x\,y^3$	$7\,x^4\,y^2$				
$x^4\,y^2$	y^2				
$10\,x^2\,y^3$	$-5\,y^4$				
$3\,x\,y^2$	$-6\,x^4\,y^3$				
$11\,x^2\,y$	$-12\,x^4\,y^2$				
$8\,x^3\,y^4$	$-5\,x^3\,y$				
$3\,x^4\,y^2$	$5\,x^4\,y^4$				
$3\,y^4$	$9\,y^2$				

17.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-5\,y^4$	$-11\,x^2\,y^2$				
$-3\,x\,y^2$	$12\,y^2$				
$3\,x^3\,y^2$	$-12\,x^4\,y^3$				
$-11\,x^4\,y^3$	$6\,x^4\,y^3$				
$-11\,x^4\,y$	$7\,x^3\,y^2$				
$-12\,x^4\,y^3$	$12\,x^3\,y^2$				
$5\,x\,y^2$	$-x\,y^4$				
$-2\,x\,y^2$	$3\,x\,y^3$				
$7\,x^4\,y^2$	$-9\,x^4\,y^4$				
$-5\,y^4$	$2\,x^3\,y$				

18.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-2\,y$	y^4				
$-y^4$	$-3\,x^3\,y^4$				
$2\,y^3$	$-12\,x^4\,y$				
$-7\,x\,y$	$-10\,x^2\,y^2$				
$-9\,x^2\,y^2$	$6\,y$				
$-11\,x\,y$	$-6\,x^2\,y^4$				
$x^3\,y^3$	$9\,x^3\,y^2$				
$9\,x\,y^2$	$2\,x\,y^3$				
$-6\,x^4\,y$	$6\,x^2\,y^4$				
$12\,x^2\,y^2$	$-5\,x^3\,y$				

19.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-10\,x^4\,y^3$	$-8\,x^2\,y$				
$-12\,x^2\,y$	$-6\,y^3$				
$3\,x^4\,y^2$	$-3\,x^3\,y^2$				
$-7\,x^4\,y^3$	$8\,x^4\,y^3$				
$3\,x\,y$	$-x^4\,y^3$				
$10\,x^3\,y^3$	$2\,x\,y^4$				
$-4\,x^4\,y$	$-4\,x^2\,y$				
$12\,x^3\,y^3$	$-6\,y^2$				
$10\,y$	$12\,x\,y^2$				
$11\,y^4$	$7\,y^4$				

20.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$12\,x\,y$	$-5\,x^2\,y^2$				
$8\,x^3\,y^2$	$-5\,x^3\,y^4$				
$-5\,y$	$-4\,x^3\,y$				
$-7\,x^2\,y^2$	$-4\,x^3\,y^2$				
$-9\,x\,y$	$-11\,x^2\,y^3$				
$3\,x\,y^4$	$-10\,x\,y^2$				
$10\,x^2\,y$	$6\,x^4\,y^3$				
$-12\,y^3$	$5\,x^2\,y$				
$-2\,x^3\,y^3$	$11\,x^4\,y^2$				
$-7\,x\,y^4$	$-7\,x^3\,y$				

21.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$10\,x^3\,y^2$	$-x^2\,y^2$				
$4\,x\,y^4$	$-9\,x\,y$				
$2\,x^4\,y^3$	$5\,x\,y^4$				
$2\,y$	$9\,x\,y$				
$4\,x^3\,y^4$	$-10\,x^3\,y^4$				
$6\,y^2$	$5\,x^4\,y^4$				
$6\,x^2\,y^2$	$-5\,x^4\,y^4$				
$-12\,x^2\,y^4$	$3\,x^2\,y^4$				
$-7\,x\,y^2$	$-4\,x^3\,y^4$				
$9\,x^2\,y$	$6\,x\,y^2$				

22.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-8\,x\,y^2$	$10\,x^2\,y^2$				
$-3\,x^2\,y$	$5\,x^2\,y$				
$-8\,x^3\,y^4$	$5\,x^4\,y^3$				
$-8\,y^4$	$2\,y$				
$-12\,x^2\,y^4$	$12\,y^4$				
$-x^3\,y^3$	$5\,x^4\,y^2$				
$-2\,y^4$	$6\,y^3$				
$6\,x^4\,y^3$	$9\,y^2$				
$-4\,x^2\,y^4$	$9\,x^2\,y^4$				
$7\,x^3\,y^3$	$6\,y^3$				

23.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$2\,x^3\,y^3$	$7\,x^2\,y$				
$-9\,x\,y^4$	$-8\,x^4\,y^2$				
$-6\,x^3\,y$	$-8\,x^3\,y^3$				
$-9\,x^3\,y$	$-10\,x^4\,y^4$				
$-9\,x^3\,y^3$	$-7\,x^2\,y$				
$7\,y^2$	$-11\,x^4\,y^3$				
$-x^3\,y^2$	$-9\,x^3\,y^4$				
$-y^3$	$-11\,x\,y^4$				
$10\,x^4\,y^4$	$8\,x^4\,y^4$				
$11\,y^4$	$-3\,x^2\,y^2$				

24.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$2\,x^3\,y^3$	$-9\,x\,y^4$				
$9\,x^2\,y^3$	$-x^2\,y^4$				
$10\,x^4\,y^3$	$-7\,x^4\,y^4$				
$-10\,y^2$	$-y^4$				
$-6\,y$	$12\,y^3$				
$-11\,y$	$5\,x\,y^2$				
$-12\,x\,y$	$-10\,x^2\,y^4$				
$2\,y^4$	$4\,y^4$				
$-11\,y^3$	$11\,x^3\,y^2$				
$4\,x^3\,y$	$9\,x^4\,y^3$				

25.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-12\,x^3\,y$	$7\,x\,y^3$				
$5\,x^4\,y^4$	$8\,x^2\,y$				
$-x^3\,y^4$	$12\,x^4\,y^2$				
$-3\,x^2\,y$	$5\,y^2$				
$2\,x^4\,y^2$	$x\,y^2$				
$-5\,y^3$	$-3\,x\,y^3$				
$6\,y$	$-8\,x\,y^2$				
$-12\,x\,y^4$	$x\,y$				
$9\,y^3$	$-4\,x^2\,y$				
$2\,x^4\,y^3$	$-8\,x\,y^4$				

26.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-3\,x^4\,y^3$	$-8\,y^3$				
$-3\,x^3\,y$	$12\,x\,y^4$				
$3\,y^2$	$4\,x^4\,y$				
$-4\,x^3\,y^4$	$-4\,x^2\,y^2$				
$-4\,x^3\,y^3$	$-4\,x^4\,y^2$				
$-6\,x^3\,y$	$-x^3\,y^3$				
$-7\,x^4\,y$	$-10\,x\,y^4$				
$7\,x\,y^2$	$4\,x\,y^3$				
$-3\,x\,y^2$	$6\,x^3\,y^4$				
$4\,x\,y^3$	$6\,x^2\,y$				

27.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$3\,x^4\,y$	$-6\,x\,y^4$				
$2\,x\,y$	$-7\,x^3\,y$				
$-6\,x^4\,y^3$	$4\,x\,y^2$				
$-3\,x^3\,y^4$	$4\,x^3\,y^4$				
$11\,x\,y$	$7\,x\,y^3$				
$12\,x^3\,y^2$	$-2\,x^2\,y^3$				
$-6\,x^3\,y^2$	$6\,x^3\,y^2$				
$-9\,x^2\,y^4$	$-x^3\,y$				
$3\,x^2\,y^4$	$-4\,x^4\,y$				
$9\,x\,y^2$	$2\,x^4\,y^2$				

28.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$x\,y^2$	$10\,x^3\,y$				
$6\,x^3\,y^4$	$-7\,x^2\,y$				
$10\,x\,y$	$9\,x\,y^4$				
$-4\,x^3\,y$	$-3\,x^3\,y^4$				
$-8\,x\,y^3$	$-11\,x^3\,y^3$				
$-10\,x^4\,y^2$	$x^2\,y^4$				
$-6\,y$	$5\,x^4\,y^2$				
$-4\,x^4\,y^2$	$9\,x\,y$				
$-5\,x^4\,y^2$	$-x\,y^4$				
$-y^3$	$-12\,x^4\,y$				

29.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-3\,x^2\,y^3$	$-x\,y^2$				
$-11\,x\,y^2$	$-4\,x\,y^4$				
$-8\,x^3\,y$	$6\,x\,y$				
$-3\,y^3$	$5\,y^4$				
$-11\,x^4\,y$	$-6\,x^2\,y^2$				
$2\,x^3\,y^4$	$5\,x^4\,y^2$				
$-10\,y^2$	$-6\,x^3\,y^3$				
$7\,x^4\,y^3$	$-8\,x\,y^4$				
$7\,x^3\,y^2$	$-4\,x^4\,y^2$				
$4\,x^2\,y$	$x\,y^2$				

30.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-12\,x\,y^3$	$5\,x^4\,y^3$				
$-11\,y^2$	$-y$				
$6\,x^2\,y$	$8\,x^4\,y^2$				
$-12\,x^2\,y$	$5\,x^4\,y^3$				
$11\,y^2$	$8\,x^2\,y$				
$-9\,x\,y^2$	$-4\,x\,y^4$				
$-11\,x^2\,y^3$	$7\,x^4\,y^2$				
$11\,x^4\,y$	$-12\,x^3\,y$				
$-9\,y^3$	$-10\,y^2$				
$-x^3\,y^2$	$-6\,x^3\,y^3$				

Rešitve:

1.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$6x^3y^4$	$10y^4$	$2(3x^3+5)y^4$	$2(3x^3-5)y^4$	$60x^3y^8$	$\frac{3x^3}{5}$
$-2x^2y$	$-5x^2y^2$	$-x^2y(5y+2)$	$x^2y(5y-2)$	$10x^4y^3$	$\frac{2}{5y}$
$-9xy^3$	$-5y^4$	$-y^3(9x+5y)$	$y^3(-(9x-5y))$	$45xy^7$	$\frac{9x}{5y}$
$-5x^3y$	$8x^2y^2$	$-x^2y(5x-8y)$	$-x^2y(5x+8y)$	$-40x^5y^3$	$-\frac{5x}{8y}$
$11x^3y^3$	$-4x^2y^3$	$x^2(11x-4)y^3$	$x^2(11x+4)y^3$	$-44x^5y^6$	$-\frac{11x}{4}$
$-3x^3y^3$	$-11xy$	$-xy(3x^2y^2+11)$	$-xy(3x^2y^2-11)$	$33x^4y^4$	$\frac{3x^2y^2}{11}$
$8y^2$	$6x^4y^2$	$2(3x^4+4)y^2$	$-2(3x^4-4)y^2$	$48x^4y^4$	$\frac{4}{3x^4}$
$12xy^2$	$11y$	$y(12xy+11)$	$y(12xy-11)$	$132xy^3$	$\frac{12xy}{11}$
$2x^4y^4$	$-7xy^3$	$xy^3(2x^3y-7)$	$xy^3(2x^3y+7)$	$-14x^5y^7$	$-\frac{2x^3y}{7}$
$10x^2y$	$10xy^2$	$10xy(x+y)$	$10xy(x-y)$	$100x^3y^3$	$\frac{x}{y}$

2.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$-8y^2$	$6y^2$	$-2y^2$	$-14y^2$	$-48y^4$	$-\frac{4}{3}$
$7x^4y^2$	$7x^2y^3$	$7x^2y^2(x^2+y)$	$7x^2y^2(x^2-y)$	$49x^6y^5$	$\frac{x^2}{y}$
$4y^3$	$9y^4$	$y^3(9y+4)$	$-y^3(9y-4)$	$36y^7$	$\frac{4}{9y}$
$-4x^4y$	$7x^2y$	$-x^2(4x^2-7)y$	$-x^2(4x^2+7)y$	$-28x^6y^2$	$-\frac{4x^2}{7}$
y	$3y$	$4y$	$-2y$	$3y^2$	$\frac{1}{3}$
$5y$	x^4y^2	$y(x^4y+5)$	$-y(x^4y-5)$	$5x^4y^3$	$\frac{5}{x^4y}$
$10x^4y$	$-x^4y^4$	$-x^4y(y^3-10)$	$x^4y(y^3+10)$	$-10x^8y^5$	$-\frac{10}{y^3}$
$-5y$	$-9x^3y^2$	$-y(9x^3y+5)$	$y(9x^3y-5)$	$45x^3y^3$	$\frac{5}{9x^3y}$
$3x^4y^2$	$5x^2y^2$	$x^2(3x^2+5)y^2$	$x^2(3x^2-5)y^2$	$15x^6y^4$	$\frac{3x^2}{5}$
$-3y^2$	$-6x^2y^4$	$-3y^2(2x^2y^2+1)$	$3y^2(2x^2y^2-1)$	$18x^2y^6$	$\frac{1}{2x^2y^2}$

3.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$9\,x\,y^4$	$-12\,x^3\,y^3$	$-3\,x\,y^3\,(4\,x^2 - 3\,y)$	$3\,x\,y^3\,(4\,x^2 + 3\,y)$	$-108\,x^4\,y^7$	$-\frac{3\,y}{4\,x^2}$
$-6\,y^3$	$-12\,x^4\,y^4$	$-6\,y^3\,(2\,x^4\,y + 1)$	$6\,y^3\,(2\,x^4\,y - 1)$	$72\,x^4\,y^7$	$\frac{1}{2\,x^4\,y}$
$-x^2\,y^3$	$8\,y^4$	$y^3\,(-(x^2 - 8\,y))$	$-y^3\,(x^2 + 8\,y)$	$-8\,x^2\,y^7$	$-\frac{x^2}{8\,y}$
$9\,y^4$	$-5\,x^3\,y^4$	$-(5\,x^3 - 9)\,y^4$	$(5\,x^3 + 9)\,y^4$	$-45\,x^3\,y^8$	$-\frac{9}{5\,x^3}$
$x^4\,y^4$	$6\,y^4$	$(x^4 + 6)\,y^4$	$(x^4 - 6)\,y^4$	$6\,x^4\,y^8$	$\frac{x^4}{6}$
$7\,x^2\,y$	$-x\,y^3$	$x\,y\,(7\,x - y^2)$	$x\,y\,(7\,x + y^2)$	$-7\,x^3\,y^4$	$-\frac{7\,x}{y^2}$
$-10\,x^3\,y^4$	$11\,x^4\,y^4$	$x^3\,(11\,x - 10)\,y^4$	$-x^3\,(11\,x + 10)\,y^4$	$-110\,x^7\,y^8$	$-\frac{10}{11\,x}$
$-10\,x\,y^3$	$-8\,x^2\,y^2$	$-2\,x\,y^2\,(4\,x + 5\,y)$	$2\,x\,y^2\,(4\,x - 5\,y)$	$80\,x^3\,y^5$	$\frac{5\,y}{4\,x}$
$-6\,y^3$	$-8\,x^4\,y^3$	$-2\,(4\,x^4 + 3)\,y^3$	$2\,(4\,x^4 - 3)\,y^3$	$48\,x^4\,y^6$	$\frac{3}{4\,x^4}$
$-7\,y^4$	$8\,y$	$-y\,(7\,y^3 - 8)$	$-y\,(7\,y^3 + 8)$	$-56\,y^5$	$-\frac{7\,y^3}{8}$

4.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-9\,x^3\,y^2$	$x^2\,y^3$	$-x^2\,y^2\,(9\,x - y)$	$-x^2\,y^2\,(9\,x + y)$	$-9\,x^5\,y^5$	$-\frac{9\,x}{y}$
$-x^3\,y$	$10\,y^4$	$-y\,(x^3 - 10\,y^3)$	$-y\,(x^3 + 10\,y^3)$	$-10\,x^3\,y^5$	$-\frac{x^3}{10\,y^3}$
y^4	$12\,x^3\,y^4$	$(12\,x^3 + 1)\,y^4$	$-(12\,x^3 - 1)\,y^4$	$12\,x^3\,y^8$	$\frac{1}{12\,x^3}$
$12\,x\,y^2$	$-4\,x\,y$	$4\,x\,y\,(3\,y - 1)$	$4\,x\,y\,(3\,y + 1)$	$-48\,x^2\,y^3$	$-3\,y$
$-7\,y^2$	$-8\,y^4$	$-y^2\,(8\,y^2 + 7)$	$y^2\,(8\,y^2 - 7)$	$56\,y^6$	$\frac{7}{8\,y^2}$
$-6\,y$	$6\,x^2\,y^4$	$6\,y\,(x^2\,y^3 - 1)$	$-6\,y\,(x^2\,y^3 + 1)$	$-36\,x^2\,y^5$	$-\frac{1}{x^2\,y^3}$
$4\,x^2\,y^4$	$2\,x^3\,y$	$2\,x^2\,y\,(x + 2\,y^3)$	$-2\,x^2\,y\,(x - 2\,y^3)$	$8\,x^5\,y^5$	$\frac{2\,y^3}{x}$
$-6\,y^4$	$-8\,x^3\,y^2$	$-2\,y^2\,(4\,x^3 + 3\,y^2)$	$2\,y^2\,(4\,x^3 - 3\,y^2)$	$48\,x^3\,y^6$	$\frac{3\,y^2}{4\,x^3}$
$2\,x^2\,y^4$	$-2\,y$	$2\,y\,(x^2\,y^3 - 1)$	$2\,y\,(x^2\,y^3 + 1)$	$-4\,x^2\,y^5$	$-x^2\,y^3$
$11\,x^4\,y^2$	$-3\,x^2\,y$	$x^2\,y\,(11\,x^2\,y - 3)$	$x^2\,y\,(11\,x^2\,y + 3)$	$-33\,x^6\,y^3$	$-\frac{11\,x^2\,y}{3}$

5.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-3\,x^3\,y^2$	$-9\,x^4\,y^2$	$-3\,x^3\,(3\,x+1)\,y^2$	$3\,x^3\,(3\,x-1)\,y^2$	$27\,x^7\,y^4$	$\frac{1}{3\,x}$
$-9\,x^4\,y$	$10\,x\,y^4$	$-x\,y\,(9\,x^3-10\,y^3)$	$-x\,y\,(9\,x^3+10\,y^3)$	$-90\,x^5\,y^5$	$-\frac{9\,x^3}{10\,y^3}$
$2\,x^4\,y^3$	$-2\,x\,y^2$	$2\,x\,y^2\,(x^3\,y-1)$	$2\,x\,y^2\,(x^3\,y+1)$	$-4\,x^5\,y^5$	$-x^3\,y$
$-5\,x\,y$	$8\,y$	$-(5\,x-8)\,y$	$-(5\,x+8)\,y$	$-40\,x\,y^2$	$-\frac{5\,x}{8}$
$-4\,x^2\,y^3$	$10\,x^2\,y^2$	$-2\,x^2\,y^2\,(2\,y-5)$	$-2\,x^2\,y^2\,(2\,y+5)$	$-40\,x^4\,y^5$	$-\frac{2\,y}{5}$
$-5\,x^4\,y^2$	$5\,y^4$	$-5\,y^2\,(x^2-y)\,(x^2+y)$	$-5\,y^2\,(x^4+y^2)$	$-25\,x^4\,y^6$	$-\frac{x^4}{y^2}$
$7\,x^3\,y$	y^2	$y\,(7\,x^3+y)$	$y\,(7\,x^3-y)$	$7\,x^3\,y^3$	$\frac{7\,x^3}{y}$
$4\,x^3\,y^3$	$-4\,x\,y^3$	$4\,(x-1)\,x\,(x+1)\,y^3$	$4\,x\,(x^2+1)\,y^3$	$-16\,x^4\,y^6$	$-x^2$
$-11\,x\,y$	$-4\,x^4\,y^2$	$-x\,y\,(4\,x^3\,y+11)$	$x\,y\,(4\,x^3\,y-11)$	$44\,x^5\,y^3$	$\frac{11}{4\,x^3\,y}$
$10\,x\,y$	$11\,x^2\,y$	$x\,(11\,x+10)\,y$	$-x\,(11\,x-10)\,y$	$110\,x^3\,y^2$	$\frac{10}{11\,x}$

6.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$10\,x^3\,y^4$	$11\,y$	$y\,(10\,x^3\,y^3+11)$	$y\,(10\,x^3\,y^3-11)$	$110\,x^3\,y^5$	$\frac{10\,x^3\,y^3}{11}$
$11\,x^4\,y$	$11\,x^3\,y^4$	$11\,x^3\,y\,(x+y^3)$	$11\,x^3\,y\,(x-y^3)$	$121\,x^7\,y^5$	$\frac{x}{y^3}$
$10\,x^4\,y^3$	$-x^2\,y$	$x^2\,y\,(10\,x^2\,y^2-1)$	$x^2\,y\,(10\,x^2\,y^2+1)$	$-10\,x^6\,y^4$	$-10\,x^2\,y^2$
$-3\,x^3\,y^4$	$-12\,x^2\,y^4$	$-3\,x^2\,(x+4)\,y^4$	$-3\,(x-4)\,x^2\,y^4$	$36\,x^5\,y^8$	$\frac{x}{4}$
$8\,x^2\,y^2$	$10\,x^3\,y^2$	$2\,x^2\,(5\,x+4)\,y^2$	$-2\,x^2\,(5\,x-4)\,y^2$	$80\,x^5\,y^4$	$\frac{4}{5\,x}$
$-10\,x\,y$	$x^3\,y^2$	$x\,y\,(x^2\,y-10)$	$-x\,y\,(x^2\,y+10)$	$-10\,x^4\,y^3$	$-\frac{10}{x^2\,y}$
$-8\,x^3\,y^2$	$-x^3\,y$	$-x^3\,y\,(8\,y+1)$	$-x^3\,y\,(8\,y-1)$	$8\,x^6\,y^3$	$8\,y$
$10\,x^2\,y$	$11\,x\,y^3$	$x\,y\,(10\,x+11\,y^2)$	$x\,y\,(10\,x-11\,y^2)$	$110\,x^3\,y^4$	$\frac{10\,x}{11\,y^2}$
$12\,x^3\,y^4$	$10\,y^3$	$2\,y^3\,(6\,x^3\,y+5)$	$2\,y^3\,(6\,x^3\,y-5)$	$120\,x^3\,y^7$	$\frac{6\,x^3\,y}{5}$
$-10\,y^2$	$-11\,x^2\,y^2$	$-(11\,x^2+10)\,y^2$	$(11\,x^2-10)\,y^2$	$110\,x^2\,y^4$	$\frac{10}{11\,x^2}$

7.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-5\,x^3\,y^3$	$9\,x^3\,y^4$	$x^3\,y^3\,(9\,y-5)$	$-x^3\,y^3\,(9\,y+5)$	$-45\,x^6\,y^7$	$-\frac{5}{9\,y}$
$7\,x^4\,y^4$	$5\,x^4\,y^3$	$x^4\,y^3\,(7\,y+5)$	$x^4\,y^3\,(7\,y-5)$	$35\,x^8\,y^7$	$\frac{7\,y}{5}$
$12\,x^2\,y^4$	$12\,x^3\,y$	$12\,x^2\,y\,(x+y^3)$	$-12\,x^2\,y\,(x-y^3)$	$144\,x^5\,y^5$	$\frac{y^3}{x}$
$-3\,x\,y^2$	$10\,x^3\,y^4$	$x\,y^2\,(10\,x^2\,y^2-3)$	$-x\,y^2\,(10\,x^2\,y^2+3)$	$-30\,x^4\,y^6$	$-\frac{3}{10\,x^2\,y^2}$
$-5\,y^2$	$9\,x^4\,y^3$	$y^2\,(9\,x^4\,y-5)$	$-y^2\,(9\,x^4\,y+5)$	$-45\,x^4\,y^5$	$-\frac{5}{9\,x^4\,y}$
$4\,x^2\,y^2$	$10\,y^2$	$2\,(2\,x^2+5)\,y^2$	$2\,(2\,x^2-5)\,y^2$	$40\,x^2\,y^4$	$\frac{2\,x^2}{5}$
$10\,x^4\,y^2$	$-11\,y^2$	$(10\,x^4-11)\,y^2$	$(10\,x^4+11)\,y^2$	$-110\,x^4\,y^4$	$-\frac{10\,x^4}{11}$
$-10\,y^2$	$-3\,y^4$	$-y^2\,(3\,y^2+10)$	$y^2\,(3\,y^2-10)$	$30\,y^6$	$\frac{10}{3\,y^2}$
$-7\,y^4$	$-6\,x^4\,y^3$	$-y^3\,(6\,x^4+7\,y)$	$y^3\,(6\,x^4-7\,y)$	$42\,x^4\,y^7$	$\frac{7\,y}{6\,x^4}$
$-2\,x^4\,y^3$	$4\,x^4\,y^3$	$2\,x^4\,y^3$	$-6\,x^4\,y^3$	$-8\,x^8\,y^6$	$-\frac{1}{2}$

8.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$11\,y$	$11\,x^2\,y^2$	$11\,y\,(x^2\,y+1)$	$-11\,y\,(x^2\,y-1)$	$121\,x^2\,y^3$	$\frac{1}{x^2\,y}$
$-x^4\,y$	$-5\,y^4$	$-y\,(x^4+5\,y^3)$	$-y\,(x^4-5\,y^3)$	$5\,x^4\,y^5$	$\frac{x^4}{5\,y^3}$
$-6\,x\,y$	$-4\,y^4$	$-2\,y\,(3\,x+2\,y^3)$	$-2\,y\,(3\,x-2\,y^3)$	$24\,x\,y^5$	$\frac{3\,x}{2\,y^3}$
$10\,x^3\,y$	$-5\,x^4\,y^2$	$-5\,x^3\,y\,(x\,y-2)$	$5\,x^3\,y\,(x\,y+2)$	$-50\,x^7\,y^3$	$-\frac{2}{x\,y}$
$-4\,y^4$	$-11\,x^2\,y^2$	$-y^2\,(11\,x^2+4\,y^2)$	$y^2\,(11\,x^2-4\,y^2)$	$44\,x^2\,y^6$	$\frac{4\,y^2}{11\,x^2}$
$6\,x\,y$	$-8\,x\,y^4$	$-2\,x\,y\,(4\,y^3-3)$	$2\,x\,y\,(4\,y^3+3)$	$-48\,x^2\,y^5$	$-\frac{3}{4\,y^3}$
$-x^4\,y^2$	$6\,x\,y$	$-x\,y\,(x^3\,y-6)$	$-x\,y\,(x^3\,y+6)$	$-6\,x^5\,y^3$	$-\frac{x^3\,y}{6}$
$-x^2\,y$	$-12\,x^2\,y$	$-13\,x^2\,y$	$11\,x^2\,y$	$12\,x^4\,y^2$	$\frac{1}{12}$
$-12\,x^2\,y^2$	$5\,x^4\,y^3$	$x^2\,y^2\,(5\,x^2\,y-12)$	$-x^2\,y^2\,(5\,x^2\,y+12)$	$-60\,x^6\,y^5$	$-\frac{12}{5\,x^2\,y}$
$10\,x^2\,y^3$	$-12\,x^4\,y$	$-2\,x^2\,y\,(6\,x^2-5\,y^2)$	$2\,x^2\,y\,(6\,x^2+5\,y^2)$	$-120\,x^6\,y^4$	$-\frac{5\,y^2}{6\,x^2}$

9.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$11x^2y$	y^3	$y(11x^2+y^2)$	$y(11x^2-y^2)$	$11x^2y^4$	$\frac{11x^2}{y^2}$
$4x^3y^2$	$-7x^3y^2$	$-3x^3y^2$	$11x^3y^2$	$-28x^6y^4$	$-\frac{4}{7}$
$12x^3y$	$-7y$	$(12x^3-7)y$	$(12x^3+7)y$	$-84x^3y^2$	$-\frac{12x^3}{7}$
$2y^2$	$11y^2$	$13y^2$	$-9y^2$	$22y^4$	$\frac{2}{11}$
$-7x^2y^2$	$2x^3y$	$x^2y(2x-7y)$	$-x^2y(2x+7y)$	$-14x^5y^3$	$-\frac{7y}{2x}$
$-xy$	$-7x^2y^4$	$-xy(7xy^3+1)$	$xy(7xy^3-1)$	$7x^3y^5$	$\frac{1}{7xy^3}$
$3x^2y^2$	$-6x^4y^4$	$-3x^2y^2(2x^2y^2-1)$	$3x^2y^2(2x^2y^2+1)$	$-18x^6y^6$	$-\frac{1}{2x^2y^2}$
$-9x^3y^3$	$2x^3y^4$	$x^3y^3(2y-9)$	$-x^3y^3(2y+9)$	$-18x^6y^7$	$-\frac{9}{2y}$
$3y^2$	$-8xy^3$	$-y^2(8xy-3)$	$y^2(8xy+3)$	$-24xy^5$	$-\frac{3}{8xy}$
$-5x^3y$	$-12x^2y^2$	$-x^2y(5x+12y)$	$-x^2y(5x-12y)$	$60x^5y^3$	$\frac{5x}{12y}$

10.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$-9x^4y$	$-8x^2y^3$	$-x^2y(9x^2+8y^2)$	$-x^2y(9x^2-8y^2)$	$72x^6y^4$	$\frac{9x^2}{8y^2}$
$9y^3$	$-12x^3y^2$	$-3y^2(4x^3-3y)$	$3y^2(4x^3+3y)$	$-108x^3y^5$	$-\frac{3y}{4x^3}$
$3x^4y^4$	$4xy$	$xy(3x^3y^3+4)$	$xy(3x^3y^3-4)$	$12x^5y^5$	$\frac{3x^3y^3}{4}$
$-x^4y^3$	$6x^4y^2$	$-x^4(y-6)y^2$	$-x^4y^2(y+6)$	$-6x^8y^5$	$-\frac{y}{6}$
$-5x^3y^2$	$-12y$	$-y(5x^3y+12)$	$-y(5x^3y-12)$	$60x^3y^3$	$\frac{5x^3y}{12}$
$9x^2y^2$	$8x^2y^2$	$17x^2y^2$	x^2y^2	$72x^4y^4$	$\frac{9}{8}$
$3xy^3$	$3x^2y$	$3xy(x+y^2)$	$-3xy(x-y^2)$	$9x^3y^4$	$\frac{y^2}{x}$
$-7x^3y^4$	$6x^3y^2$	$-x^3y^2(7y^2-6)$	$-x^3y^2(7y^2+6)$	$-42x^6y^6$	$-\frac{7y^2}{6}$
$-3x^3y^3$	$-10x^2y$	$-x^2y(3xy^2+10)$	$-x^2y(3xy^2-10)$	$30x^5y^4$	$\frac{3xy^2}{10}$
$-12x^4y^2$	$-10x^4y^4$	$-2x^4y^2(5y^2+6)$	$2x^4y^2(5y^2-6)$	$120x^8y^6$	$\frac{6}{5y^2}$

11.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-10\,x^3\,y^3$	$9\,x\,y^4$	$-x\,y^3\left(10\,x^2 - 9\,y\right)$	$-x\,y^3\left(10\,x^2 + 9\,y\right)$	$-90\,x^4\,y^7$	$-\frac{10\,x^2}{9\,y}$
$8\,y^2$	$10\,x^2\,y^3$	$2\,y^2\left(5\,x^2\,y + 4\right)$	$-2\,y^2\left(5\,x^2\,y - 4\right)$	$80\,x^2\,y^5$	$\frac{4}{5\,x^2\,y}$
$-11\,x^3\,y$	$-6\,x^3\,y^4$	$-x^3\,y\left(6\,y^3 + 11\right)$	$x^3\,y\left(6\,y^3 - 11\right)$	$66\,x^6\,y^5$	$\frac{11}{6\,y^3}$
$-11\,x^4\,y^2$	$-y^4$	$-y^2\left(11\,x^4 + y^2\right)$	$-y^2\left(11\,x^4 - y^2\right)$	$11\,x^4\,y^6$	$\frac{11\,x^4}{y^2}$
$-9\,x^2\,y^3$	$-2\,x^3\,y^3$	$-x^2\,(2\,x + 9)\,y^3$	$x^2\,(2\,x - 9)\,y^3$	$18\,x^5\,y^6$	$\frac{9}{2\,x}$
$-6\,x^2\,y^4$	$-5\,y$	$-y\left(6\,x^2\,y^3 + 5\right)$	$-y\left(6\,x^2\,y^3 - 5\right)$	$30\,x^2\,y^5$	$\frac{6\,x^2\,y^3}{5}$
$-3\,x^4\,y^2$	$-6\,x^4\,y^4$	$-3\,x^4\,y^2\left(2\,y^2 + 1\right)$	$3\,x^4\,y^2\left(2\,y^2 - 1\right)$	$18\,x^8\,y^6$	$\frac{1}{2\,y^2}$
$9\,y^2$	$-12\,x^3\,y^3$	$-3\,y^2\left(4\,x^3\,y - 3\right)$	$3\,y^2\left(4\,x^3\,y + 3\right)$	$-108\,x^3\,y^5$	$-\frac{3}{4\,x^3\,y}$
$2\,y^4$	$-5\,x\,y^2$	$-y^2\left(5\,x - 2\,y^2\right)$	$y^2\left(5\,x + 2\,y^2\right)$	$-10\,x\,y^6$	$-\frac{2\,y^2}{5\,x}$
$10\,x\,y^3$	$3\,y^3$	$(10\,x + 3)\,y^3$	$(10\,x - 3)\,y^3$	$30\,x\,y^6$	$\frac{10\,x}{3}$

12.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-8\,x\,y^3$	$6\,y^3$	$-2\,(4\,x - 3)\,y^3$	$-2\,(4\,x + 3)\,y^3$	$-48\,x\,y^6$	$-\frac{4\,x}{3}$
$-8\,x^2\,y^4$	$9\,y^3$	$-y^3\left(8\,x^2\,y - 9\right)$	$-y^3\left(8\,x^2\,y + 9\right)$	$-72\,x^2\,y^7$	$-\frac{8\,x^2\,y}{9}$
$9\,x^4\,y^2$	$x^2\,y^4$	$x^2\,y^2\left(9\,x^2 + y^2\right)$	$x^2\,y^2\,(3\,x - y)\,(3\,x + y)$	$9\,x^6\,y^6$	$\frac{9\,x^2}{y^2}$
$9\,x^2\,y^3$	$-6\,y$	$3\,y\left(3\,x^2\,y^2 - 2\right)$	$3\,y\left(3\,x^2\,y^2 + 2\right)$	$-54\,x^2\,y^4$	$-\frac{3}{2}\,x^2\,y^2$
$4\,x^4\,y^2$	$12\,x\,y^4$	$4\,x\,y^2\left(x^3 + 3\,y^2\right)$	$4\,x\,y^2\left(x^3 - 3\,y^2\right)$	$48\,x^5\,y^6$	$\frac{x^3}{3\,y^2}$
$-10\,x^2\,y^2$	$12\,x\,y$	$-2\,x\,y\,(5\,x\,y - 6)$	$-2\,x\,y\,(5\,x\,y + 6)$	$-120\,x^3\,y^3$	$-\frac{5\,x\,y}{6}$
$-11\,x^2\,y$	$-2\,x\,y^2$	$-x\,y\,(11\,x + 2\,y)$	$-x\,y\,(11\,x - 2\,y)$	$22\,x^3\,y^3$	$\frac{11\,x}{2\,y}$
$-8\,x^4\,y^2$	$8\,x^2\,y^2$	$-8\,(x - 1)\,x^2\,(x + 1)\,y^2$	$-8\,x^2\left(x^2 + 1\right)y^2$	$-64\,x^6\,y^4$	$-x^2$
$-6\,y^3$	$5\,x^4\,y$	$y\left(5\,x^4 - 6\,y^2\right)$	$-y\left(5\,x^4 + 6\,y^2\right)$	$-30\,x^4\,y^4$	$-\frac{6\,y^2}{5\,x^4}$
$3\,x^2\,y^4$	$3\,x^2\,y$	$3\,x^2\,y\,(y + 1)$ $\left(y^2 - y + 1\right)$	$3\,x^2\,(y - 1)$ $y\left(y^2 + y + 1\right)$	$9\,x^4\,y^5$	y^3

13.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$8\,x^3\,y^2$	$11\,x\,y^3$	$x\,y^2\,(8\,x^2 + 11\,y)$	$x\,y^2\,(8\,x^2 - 11\,y)$	$88\,x^4\,y^5$	$\frac{8\,x^2}{11\,y}$
$-8\,x^2\,y^3$	$10\,y^2$	$-2\,y^2\,(4\,x^2\,y - 5)$	$-2\,y^2\,(4\,x^2\,y + 5)$	$-80\,x^2\,y^5$	$-\frac{4\,x^2\,y}{5}$
$7\,x^3\,y^2$	$-x^4\,y^3$	$-x^3\,y^2\,(x\,y - 7)$	$x^3\,y^2\,(x\,y + 7)$	$-7\,x^7\,y^5$	$-\frac{7}{x\,y}$
$-8\,x\,y^4$	$-3\,x^4\,y^4$	$-x\,(3\,x^3 + 8)\,y^4$	$x\,(3\,x^3 - 8)\,y^4$	$24\,x^5\,y^8$	$\frac{8}{3\,x^3}$
$-2\,x\,y^2$	$-5\,x^2\,y^4$	$-x\,y^2\,(5\,x\,y^2 + 2)$	$x\,y^2\,(5\,x\,y^2 - 2)$	$10\,x^3\,y^6$	$\frac{2}{5\,x\,y^2}$
$5\,x^4\,y^4$	$-3\,x\,y^2$	$x\,y^2\,(5\,x^3\,y^2 - 3)$	$x\,y^2\,(5\,x^3\,y^2 + 3)$	$-15\,x^5\,y^6$	$-\frac{5}{3}\,x^3\,y^2$
$-10\,x^4\,y$	$-3\,x^3\,y^2$	$-x^3\,y\,(10\,x + 3\,y)$	$-x^3\,y\,(10\,x - 3\,y)$	$30\,x^7\,y^3$	$\frac{10\,x}{3\,y}$
$x\,y$	$-8\,x^2\,y$	$-x\,(8\,x - 1)\,y$	$x\,(8\,x + 1)\,y$	$-8\,x^3\,y^2$	$-\frac{1}{8\,x}$
$-x^4\,y^2$	$-6\,x^2\,y^3$	$-x^2\,y^2\,(x^2 + 6\,y)$	$-x^2\,y^2\,(x^2 - 6\,y)$	$6\,x^6\,y^5$	$\frac{x^2}{6\,y}$
$5\,x\,y^2$	$7\,x^2\,y^4$	$x\,y^2\,(7\,x\,y^2 + 5)$	$-x\,y^2\,(7\,x\,y^2 - 5)$	$35\,x^3\,y^6$	$\frac{5}{7\,x\,y^2}$

14.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$5\,x^3\,y^2$	$-6\,x^2\,y^2$	$x^2\,(5\,x - 6)\,y^2$	$x^2\,(5\,x + 6)\,y^2$	$-30\,x^5\,y^4$	$-\frac{5\,x}{6}$
$-11\,x^4\,y^4$	$-11\,x^2\,y$	$-11\,x^2\,y\,(x^2\,y^3 + 1)$	$-11\,x^2\,y\,(x^2\,y^3 - 1)$	$121\,x^6\,y^5$	$x^2\,y^3$
$12\,x^4\,y^3$	$-9\,x\,y^2$	$3\,x\,y^2\,(4\,x^3\,y - 3)$	$3\,x\,y^2\,(4\,x^3\,y + 3)$	$-108\,x^5\,y^5$	$-\frac{4\,x^3\,y}{3}$
$11\,x^4\,y^2$	$2\,x^3\,y^3$	$x^3\,y^2\,(11\,x + 2\,y)$	$x^3\,y^2\,(11\,x - 2\,y)$	$22\,x^7\,y^5$	$\frac{11\,x}{2\,y}$
$3\,x^4\,y^4$	$11\,x^3\,y^2$	$x^3\,y^2\,(3\,x\,y^2 + 11)$	$x^3\,y^2\,(3\,x\,y^2 - 11)$	$33\,x^7\,y^6$	$\frac{3\,x\,y^2}{11}$
$x\,y^4$	$-11\,y^3$	$y^3\,(x\,y - 11)$	$y^3\,(x\,y + 11)$	$-11\,x\,y^7$	$-\frac{x\,y}{11}$
$-4\,x^2\,y^2$	$-5\,x^3\,y$	$-x^2\,y\,(5\,x + 4\,y)$	$x^2\,y\,(5\,x - 4\,y)$	$20\,x^5\,y^3$	$\frac{4\,y}{5\,x}$
$7\,x^2\,y^2$	$4\,y^4$	$y^2\,(7\,x^2 + 4\,y^2)$	$y^2\,(7\,x^2 - 4\,y^2)$	$28\,x^2\,y^6$	$\frac{7\,x^2}{4\,y^2}$
$-6\,x\,y^2$	$-9\,y^3$	$-3\,y^2\,(2\,x + 3\,y)$	$-3\,y^2\,(2\,x - 3\,y)$	$54\,x\,y^5$	$\frac{2\,x}{3\,y}$
$3\,x^3\,y^3$	$-11\,x\,y^3$	$x\,(3\,x^2 - 11)\,y^3$	$x\,(3\,x^2 + 11)\,y^3$	$-33\,x^4\,y^6$	$-\frac{3\,x^2}{11}$

15.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-12\,x^4\,y$	y^3	$-y\left(12\,x^4 - y^2\right)$	$-y\left(12\,x^4 + y^2\right)$	$-12\,x^4\,y^4$	$-\frac{12\,x^4}{y^2}$
$2\,x^2\,y^3$	$2\,x^4\,y$	$2\,x^2\,y\left(x^2 + y^2\right)$	$-2\,x^2\,y\,(x - y)\,(x + y)$	$4\,x^6\,y^4$	$\frac{y^2}{x^2}$
$11\,x^2\,y$	$-8\,y^4$	$y\left(11\,x^2 - 8\,y^3\right)$	$y\left(11\,x^2 + 8\,y^3\right)$	$-88\,x^2\,y^5$	$-\frac{11\,x^2}{8\,y^3}$
$6\,x^2\,y^2$	$3\,y$	$3\,y\left(2\,x^2\,y + 1\right)$	$3\,y\left(2\,x^2\,y - 1\right)$	$18\,x^2\,y^3$	$2\,x^2\,y$
$-2\,x^4\,y^4$	$-3\,x\,y$	$-x\,y\left(2\,x^3\,y^3 + 3\right)$	$-x\,y\left(2\,x^3\,y^3 - 3\right)$	$6\,x^5\,y^5$	$\frac{2\,x^3\,y^3}{3}$
$-12\,y^3$	$10\,x^3\,y^3$	$2\left(5\,x^3 - 6\right)y^3$	$-2\left(5\,x^3 + 6\right)y^3$	$-120\,x^3\,y^6$	$-\frac{6}{5\,x^3}$
$-5\,x^4\,y^3$	$-2\,x^4\,y$	$-x^4\,y\left(5\,y^2 + 2\right)$	$-x^4\,y\left(5\,y^2 - 2\right)$	$10\,x^8\,y^4$	$\frac{5\,y^2}{2}$
$6\,x^2\,y^4$	$-4\,x^3\,y^3$	$-2\,x^2\,y^3\,(2\,x - 3\,y)$	$2\,x^2\,y^3\,(2\,x + 3\,y)$	$-24\,x^5\,y^7$	$-\frac{3\,y}{2\,x}$
$12\,x^2\,y^2$	$2\,x^3\,y$	$2\,x^2\,y\,(x + 6\,y)$	$-2\,x^2\,y\,(x - 6\,y)$	$24\,x^5\,y^3$	$\frac{6\,y}{x}$
$-x^4\,y^3$	$-11\,x^3\,y^3$	$-x^3\,(x + 11)\,y^3$	$-(x - 11)\,x^3\,y^3$	$11\,x^7\,y^6$	$\frac{x}{11}$

16.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-9\,x^3\,y^4$	$-x\,y^4$	$-x\left(9\,x^2 + 1\right)y^4$	$-x\,(3\,x - 1)\,(3\,x + 1)\,y^4$	$9\,x^4\,y^8$	$9\,x^2$
$-2\,x^2\,y$	$9\,x^4\,y$	$x^2\left(9\,x^2 - 2\right)y$	$-x^2\left(9\,x^2 + 2\right)y$	$-18\,x^6\,y^2$	$-\frac{2}{9\,x^2}$
$-2\,x\,y^3$	$7\,x^4\,y^2$	$x\,y^2\left(7\,x^3 - 2\,y\right)$	$-x\,y^2\left(7\,x^3 + 2\,y\right)$	$-14\,x^5\,y^5$	$-\frac{2\,y}{7\,x^3}$
$x^4\,y^2$	y^2	$\left(x^4 + 1\right)y^2$	$(x - 1)\,(x + 1)\left(x^2 + 1\right)y^2$	$x^4\,y^4$	x^4
$10\,x^2\,y^3$	$-5\,y^4$	$5\,y^3\left(2\,x^2 - y\right)$	$5\,y^3\left(2\,x^2 + y\right)$	$-50\,x^2\,y^7$	$-\frac{2\,x^2}{y}$
$3\,x\,y^2$	$-6\,x^4\,y^3$	$-3\,x\,y^2\left(2\,x^3\,y - 1\right)$	$3\,x\,y^2\left(2\,x^3\,y + 1\right)$	$-18\,x^5\,y^5$	$-\frac{1}{2\,x^3\,y}$
$11\,x^2\,y$	$-12\,x^4\,y^2$	$-x^2\,y\left(12\,x^2\,y - 11\right)$	$x^2\,y\left(12\,x^2\,y + 11\right)$	$-132\,x^6\,y^3$	$-\frac{11}{12\,x^2\,y}$
$8\,x^3\,y^4$	$-5\,x^3\,y$	$x^3\,y\left(8\,y^3 - 5\right)$	$x^3\,y\left(8\,y^3 + 5\right)$	$-40\,x^6\,y^5$	$-\frac{8\,y^3}{5}$
$3\,x^4\,y^2$	$5\,x^4\,y^4$	$x^4\,y^2\left(5\,y^2 + 3\right)$	$-x^4\,y^2\left(5\,y^2 - 3\right)$	$15\,x^8\,y^6$	$\frac{3}{5\,y^2}$
$3\,y^4$	$9\,y^2$	$3\,y^2\left(y^2 + 3\right)$	$3\,y^2\left(y^2 - 3\right)$	$27\,y^6$	$\frac{y^2}{3}$

17.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-5\,y^4$	$-11\,x^2\,y^2$	$-y^2\left(11\,x^2+5\,y^2\right)$	$y^2\left(11\,x^2-5\,y^2\right)$	$55\,x^2\,y^6$	$\frac{5\,y^2}{11\,x^2}$
$-3\,x\,y^2$	$12\,y^2$	$-3\,(x-4)\,y^2$	$-3\,(x+4)\,y^2$	$-36\,x\,y^4$	$-\frac{x}{4}$
$3\,x^3\,y^2$	$-12\,x^4\,y^3$	$-3\,x^3\,y^2\,(4\,x\,y-1)$	$3\,x^3\,y^2\,(4\,x\,y+1)$	$-36\,x^7\,y^5$	$-\frac{1}{4\,x\,y}$
$-11\,x^4\,y^3$	$6\,x^4\,y^3$	$-5\,x^4\,y^3$	$-17\,x^4\,y^3$	$-66\,x^8\,y^6$	$-\frac{11}{6}$
$-11\,x^4\,y$	$7\,x^3\,y^2$	$-x^3\,y\,(11\,x-7\,y)$	$-x^3\,y\,(11\,x+7\,y)$	$-77\,x^7\,y^3$	$-\frac{11\,x}{7\,y}$
$-12\,x^4\,y^3$	$12\,x^3\,y^2$	$-12\,x^3\,y^2\,(x\,y-1)$	$-12\,x^3\,y^2\,(x\,y+1)$	$-144\,x^7\,y^5$	$-x\,y$
$5\,x\,y^2$	$-x\,y^4$	$-x\,y^2\left(y^2-5\right)$	$x\,y^2\left(y^2+5\right)$	$-5\,x^2\,y^6$	$-\frac{5}{y^2}$
$-2\,x\,y^2$	$3\,x\,y^3$	$x\,y^2\,(3\,y-2)$	$-x\,y^2\,(3\,y+2)$	$-6\,x^2\,y^5$	$-\frac{2}{3\,y}$
$7\,x^4\,y^2$	$-9\,x^4\,y^4$	$-x^4\,y^2\left(9\,y^2-7\right)$	$x^4\,y^2\left(9\,y^2+7\right)$	$-63\,x^8\,y^6$	$-\frac{7}{9\,y^2}$
$-5\,y^4$	$2\,x^3\,y$	$y\left(2\,x^3-5\,y^3\right)$	$-y\left(2\,x^3+5\,y^3\right)$	$-10\,x^3\,y^5$	$-\frac{5\,y^3}{2\,x^3}$

18.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-2\,y$	y^4	$y\left(y^3-2\right)$	$-y\left(y^3+2\right)$	$-2\,y^5$	$-\frac{2}{y^3}$
$-y^4$	$-3\,x^3\,y^4$	$-\left(3\,x^3+1\right)y^4$	$\left(3\,x^3-1\right)y^4$	$3\,x^3\,y^8$	$\frac{1}{3\,x^3}$
$2\,y^3$	$-12\,x^4\,y$	$-2\,y\left(6\,x^4-y^2\right)$	$2\,y\left(6\,x^4+y^2\right)$	$-24\,x^4\,y^4$	$-\frac{y^2}{6\,x^4}$
$-7\,x\,y$	$-10\,x^2\,y^2$	$-x\,y\,(10\,x\,y+7)$	$x\,y\,(10\,x\,y-7)$	$70\,x^3\,y^3$	$\frac{7}{10\,x\,y}$
$-9\,x^2\,y^2$	$6\,y$	$-3\,y\left(3\,x^2\,y-2\right)$	$-3\,y\left(3\,x^2\,y+2\right)$	$-54\,x^2\,y^3$	$-\frac{3\,x^2\,y}{2}$
$-11\,x\,y$	$-6\,x^2\,y^4$	$-x\,y\left(6\,x\,y^3+11\right)$	$x\,y\left(6\,x\,y^3-11\right)$	$66\,x^3\,y^5$	$\frac{11}{6\,x\,y^3}$
$x^3\,y^3$	$9\,x^3\,y^2$	$x^3\,y^2\,(y+9)$	$x^3\,(y-9)\,y^2$	$9\,x^6\,y^5$	$\frac{y}{9}$
$9\,x\,y^2$	$2\,x\,y^3$	$x\,y^2\,(2\,y+9)$	$-x\,y^2\,(2\,y-9)$	$18\,x^2\,y^5$	$\frac{9}{2\,y}$
$-6\,x^4\,y$	$6\,x^2\,y^4$	$-6\,x^2\,y\left(x^2-y^3\right)$	$-6\,x^2\,y\left(x^2+y^3\right)$	$-36\,x^6\,y^5$	$-\frac{x^2}{y^3}$
$12\,x^2\,y^2$	$-5\,x^3\,y$	$-x^2\,y\,(5\,x-12\,y)$	$x^2\,y\,(5\,x+12\,y)$	$-60\,x^5\,y^3$	$-\frac{12\,y}{5\,x}$

19.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-10\,x^4\,y^3$	$-8\,x^2\,y$	$-2\,x^2\,y\left(5\,x^2\,y^2+4\right)$	$-2\,x^2\,y\left(5\,x^2\,y^2-4\right)$	$80\,x^6\,y^4$	$\frac{5\,x^2\,y^2}{4}$
$-12\,x^2\,y$	$-6\,y^3$	$-6\,y\left(2\,x^2+y^2\right)$	$-6\,y\left(2\,x^2-y^2\right)$	$72\,x^2\,y^4$	$\frac{2\,x^2}{y^2}$
$3\,x^4\,y^2$	$-3\,x^3\,y^2$	$3\,(x-1)\,x^3\,y^2$	$3\,x^3\,(x+1)\,y^2$	$-9\,x^7\,y^4$	$-x$
$-7\,x^4\,y^3$	$8\,x^4\,y^3$	$x^4\,y^3$	$-15\,x^4\,y^3$	$-56\,x^8\,y^6$	$-\frac{7}{8}$
$3\,x\,y$	$-x^4\,y^3$	$-x\,y\left(x^3\,y^2-3\right)$	$x\,y\left(x^3\,y^2+3\right)$	$-3\,x^5\,y^4$	$-\frac{3}{x^3\,y^2}$
$10\,x^3\,y^3$	$2\,x\,y^4$	$2\,x\,y^3\left(5\,x^2+y\right)$	$2\,x\,y^3\left(5\,x^2-y\right)$	$20\,x^4\,y^7$	$\frac{5\,x^2}{y}$
$-4\,x^4\,y$	$-4\,x^2\,y$	$-4\,x^2\left(x^2+1\right)y$	$-4\,(x-1)\,x^2\,(x+1)\,y$	$16\,x^6\,y^2$	x^2
$12\,x^3\,y^3$	$-6\,y^2$	$6\,y^2\left(2\,x^3\,y-1\right)$	$6\,y^2\left(2\,x^3\,y+1\right)$	$-72\,x^3\,y^5$	$-2\,x^3\,y$
$10\,y$	$12\,x\,y^2$	$2\,y\,(6\,x\,y+5)$	$-2\,y\,(6\,x\,y-5)$	$120\,x\,y^3$	$\frac{5}{6\,x\,y}$
$11\,y^4$	$7\,y^4$	$18\,y^4$	$4\,y^4$	$77\,y^8$	$\frac{11}{7}$

20.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$12\,x\,y$	$-5\,x^2\,y^2$	$-x\,y\,(5\,x\,y-12)$	$x\,y\,(5\,x\,y+12)$	$-60\,x^3\,y^3$	$-\frac{12}{5\,x\,y}$
$8\,x^3\,y^2$	$-5\,x^3\,y^4$	$-x^3\,y^2\left(5\,y^2-8\right)$	$x^3\,y^2\left(5\,y^2+8\right)$	$-40\,x^6\,y^6$	$-\frac{8}{5\,y^2}$
$-5\,y$	$-4\,x^3\,y$	$-\left(4\,x^3+5\right)y$	$\left(4\,x^3-5\right)y$	$20\,x^3\,y^2$	$\frac{5}{4\,x^3}$
$-7\,x^2\,y^2$	$-4\,x^3\,y^2$	$-x^2\,(4\,x+7)\,y^2$	$x^2\,(4\,x-7)\,y^2$	$28\,x^5\,y^4$	$\frac{7}{4\,x}$
$-9\,x\,y$	$-11\,x^2\,y^3$	$-x\,y\left(11\,x\,y^2+9\right)$	$x\,y\left(11\,x\,y^2-9\right)$	$99\,x^3\,y^4$	$\frac{9}{11\,x\,y^2}$
$3\,x\,y^4$	$-10\,x\,y^2$	$x\,y^2\left(3\,y^2-10\right)$	$x\,y^2\left(3\,y^2+10\right)$	$-30\,x^2\,y^6$	$-\frac{3\,y^2}{10}$
$10\,x^2\,y$	$6\,x^4\,y^3$	$2\,x^2\,y\left(3\,x^2\,y^2+5\right)$	$-2\,x^2\,y\left(3\,x^2\,y^2-5\right)$	$60\,x^6\,y^4$	$\frac{5}{3\,x^2\,y^2}$
$-12\,y^3$	$5\,x^2\,y$	$y\left(5\,x^2-12\,y^2\right)$	$-y\left(5\,x^2+12\,y^2\right)$	$-60\,x^2\,y^4$	$-\frac{12\,y^2}{5\,x^2}$
$-2\,x^3\,y^3$	$11\,x^4\,y^2$	$x^3\,y^2\,(11\,x-2\,y)$	$-x^3\,y^2\,(11\,x+2\,y)$	$-22\,x^7\,y^5$	$-\frac{2\,y}{11\,x}$
$-7\,x\,y^4$	$-7\,x^3\,y$	$-7\,x\,y\left(x^2+y^3\right)$	$7\,x\,y\left(x^2-y^3\right)$	$49\,x^4\,y^5$	$\frac{y^3}{x^2}$

21.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$10\,x^3\,y^2$	$-x^2\,y^2$	$x^2\,(10\,x-1)\,y^2$	$x^2\,(10\,x+1)\,y^2$	$-10\,x^5\,y^4$	$-10\,x$
$4\,x\,y^4$	$-9\,x\,y$	$x\,y\,(4\,y^3-9)$	$x\,y\,(4\,y^3+9)$	$-36\,x^2\,y^5$	$-\frac{4\,y^3}{9}$
$2\,x^4\,y^3$	$5\,x\,y^4$	$x\,y^3\,(2\,x^3+5\,y)$	$x\,y^3\,(2\,x^3-5\,y)$	$10\,x^5\,y^7$	$\frac{2\,x^3}{5\,y}$
$2\,y$	$9\,x\,y$	$(9\,x+2)\,y$	$-(9\,x-2)\,y$	$18\,x\,y^2$	$\frac{2}{9\,x}$
$4\,x^3\,y^4$	$-10\,x^3\,y^4$	$-6\,x^3\,y^4$	$14\,x^3\,y^4$	$-40\,x^6\,y^8$	$-\frac{2}{5}$
$6\,y^2$	$5\,x^4\,y^4$	$y^2\,(5\,x^4\,y^2+6)$	$-y^2\,(5\,x^4\,y^2-6)$	$30\,x^4\,y^6$	$\frac{6}{5\,x^4\,y^2}$
$6\,x^2\,y^2$	$-5\,x^4\,y^4$	$-x^2\,y^2\,(5\,x^2\,y^2-6)$	$x^2\,y^2\,(5\,x^2\,y^2+6)$	$-30\,x^6\,y^6$	$-\frac{6}{5\,x^2\,y^2}$
$-12\,x^2\,y^4$	$3\,x^2\,y^4$	$-9\,x^2\,y^4$	$-15\,x^2\,y^4$	$-36\,x^4\,y^8$	-4
$-7\,x\,y^2$	$-4\,x^3\,y^4$	$-x\,y^2\,(4\,x^2\,y^2+7)$	$x\,y^2\,(4\,x^2\,y^2-7)$	$28\,x^4\,y^6$	$\frac{7}{4\,x^2\,y^2}$
$9\,x^2\,y$	$6\,x\,y^2$	$3\,x\,y\,(3\,x+2\,y)$	$3\,x\,y\,(3\,x-2\,y)$	$54\,x^3\,y^3$	$\frac{3\,x}{2\,y}$

22.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-8\,x\,y^2$	$10\,x^2\,y^2$	$2\,x\,(5\,x-4)\,y^2$	$-2\,x\,(5\,x+4)\,y^2$	$-80\,x^3\,y^4$	$-\frac{4}{5\,x}$
$-3\,x^2\,y$	$5\,x^2\,y$	$2\,x^2\,y$	$-8\,x^2\,y$	$-15\,x^4\,y^2$	$-\frac{3}{5}$
$-8\,x^3\,y^4$	$5\,x^4\,y^3$	$x^3\,y^3\,(5\,x-8\,y)$	$-x^3\,y^3\,(5\,x+8\,y)$	$-40\,x^7\,y^7$	$-\frac{8\,y}{5\,x}$
$-8\,y^4$	$2\,y$	$-2\,y\,(4\,y^3-1)$	$-2\,y\,(4\,y^3+1)$	$-16\,y^5$	$-4\,y^3$
$-12\,x^2\,y^4$	$12\,y^4$	$-12\,(x-1)\,(x+1)\,y^4$	$-12\,(x^2+1)\,y^4$	$-144\,x^2\,y^8$	$-x^2$
$-x^3\,y^3$	$5\,x^4\,y^2$	$x^3\,y^2\,(5\,x-y)$	$-x^3\,y^2\,(5\,x+y)$	$-5\,x^7\,y^5$	$-\frac{y}{5\,x}$
$-2\,y^4$	$6\,y^3$	$-2\,(y-3)\,y^3$	$-2\,y^3\,(y+3)$	$-12\,y^7$	$-\frac{y}{3}$
$6\,x^4\,y^3$	$9\,y^2$	$3\,y^2\,(2\,x^4\,y+3)$	$3\,y^2\,(2\,x^4\,y-3)$	$54\,x^4\,y^5$	$\frac{2\,x^4\,y}{3}$
$-4\,x^2\,y^4$	$9\,x^2\,y^4$	$5\,x^2\,y^4$	$-13\,x^2\,y^4$	$-36\,x^4\,y^8$	$-\frac{4}{9}$
$7\,x^3\,y^3$	$6\,y^3$	$(7\,x^3+6)\,y^3$	$(7\,x^3-6)\,y^3$	$42\,x^3\,y^6$	$\frac{7\,x^3}{6}$

23.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$2x^3y^3$	$7x^2y$	$x^2y(2xy^2+7)$	$x^2y(2xy^2-7)$	$14x^5y^4$	$\frac{2xy^2}{7}$
$-9xy^4$	$-8x^4y^2$	$-xy^2(8x^3+9y^2)$	$xy^2(8x^3-9y^2)$	$72x^5y^6$	$\frac{9y^2}{8x^3}$
$-6x^3y$	$-8x^3y^3$	$-2x^3y(4y^2+3)$	$2x^3y(4y^2-3)$	$48x^6y^4$	$\frac{3}{4y^2}$
$-9x^3y$	$-10x^4y^4$	$-x^3y(10xy^3+9)$	$x^3y(10xy^3-9)$	$90x^7y^5$	$\frac{9}{10xy^3}$
$-9x^3y^3$	$-7x^2y$	$-x^2y(9xy^2+7)$	$-x^2y(9xy^2-7)$	$63x^5y^4$	$\frac{9xy^2}{7}$
$7y^2$	$-11x^4y^3$	$-y^2(11x^4y-7)$	$y^2(11x^4y+7)$	$-77x^4y^5$	$-\frac{7}{11x^4y}$
$-x^3y^2$	$-9x^3y^4$	$-x^3y^2(9y^2+1)$	$x^3y^2(3y-1)(3y+1)$	$9x^6y^6$	$\frac{1}{9y^2}$
$-y^3$	$-11xy^4$	$-y^3(11xy+1)$	$y^3(11xy-1)$	$11xy^7$	$\frac{1}{11xy}$
$10x^4y^4$	$8x^4y^4$	$18x^4y^4$	$2x^4y^4$	$80x^8y^8$	$\frac{5}{4}$
$11y^4$	$-3x^2y^2$	$-y^2(3x^2-11y^2)$	$y^2(3x^2+11y^2)$	$-33x^2y^6$	$-\frac{11y^2}{3x^2}$

24.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$2x^3y^3$	$-9xy^4$	$xy^3(2x^2-9y)$	$xy^3(2x^2+9y)$	$-18x^4y^7$	$-\frac{2x^2}{9y}$
$9x^2y^3$	$-x^2y^4$	$-x^2(y-9)y^3$	$x^2y^3(y+9)$	$-9x^4y^7$	$-\frac{9}{y}$
$10x^4y^3$	$-7x^4y^4$	$-x^4y^3(7y-10)$	$x^4y^3(7y+10)$	$-70x^8y^7$	$-\frac{10}{7y}$
$-10y^2$	$-y^4$	$-y^2(y^2+10)$	$y^2(y^2-10)$	$10y^6$	$\frac{10}{y^2}$
$-6y$	$12y^3$	$6y(2y^2-1)$	$-6y(2y^2+1)$	$-72y^4$	$-\frac{1}{2y^2}$
$-11y$	$5xy^2$	$y(5xy-11)$	$-y(5xy+11)$	$-55xy^3$	$-\frac{11}{5xy}$
$-12xy$	$-10x^2y^4$	$-2xy(5xy^3+6)$	$2xy(5xy^3-6)$	$120x^3y^5$	$\frac{6}{5xy^3}$
$2y^4$	$4y^4$	$6y^4$	$-2y^4$	$8y^8$	$\frac{1}{2}$
$-11y^3$	$11x^3y^2$	$11y^2(x^3-y)$	$-11y^2(x^3+y)$	$-121x^3y^5$	$-\frac{y}{x^3}$
$4x^3y$	$9x^4y^3$	$x^3y(9xy^2+4)$	$-x^3y(9xy^2-4)$	$36x^7y^4$	$\frac{4}{9xy^2}$

25.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-12\,x^3\,y$	$7\,x\,y^3$	$-x\,y\,(12\,x^2 - 7\,y^2)$	$-x\,y\,(12\,x^2 + 7\,y^2)$	$-84\,x^4\,y^4$	$-\frac{12\,x^2}{7\,y^2}$
$5\,x^4\,y^4$	$8\,x^2\,y$	$x^2\,y\,(5\,x^2\,y^3 + 8)$	$x^2\,y\,(5\,x^2\,y^3 - 8)$	$40\,x^6\,y^5$	$\frac{5\,x^2\,y^3}{8}$
$-x^3\,y^4$	$12\,x^4\,y^2$	$x^3\,y^2\,(12\,x - y^2)$	$-x^3\,y^2\,(12\,x + y^2)$	$-12\,x^7\,y^6$	$-\frac{y^2}{12\,x}$
$-3\,x^2\,y$	$5\,y^2$	$y\,(-(3\,x^2 - 5\,y))$	$-y\,(3\,x^2 + 5\,y)$	$-15\,x^2\,y^3$	$-\frac{3\,x^2}{5\,y}$
$2\,x^4\,y^2$	$x\,y^2$	$x\,(2\,x^3 + 1)\,y^2$	$x\,(2\,x^3 - 1)\,y^2$	$2\,x^5\,y^4$	$2\,x^3$
$-5\,y^3$	$-3\,x\,y^3$	$-(3\,x + 5)\,y^3$	$(3\,x - 5)\,y^3$	$15\,x\,y^6$	$\frac{5}{3\,x}$
$6\,y$	$-8\,x\,y^2$	$-2\,y\,(4\,x\,y - 3)$	$2\,y\,(4\,x\,y + 3)$	$-48\,x\,y^3$	$-\frac{3}{4\,x\,y}$
$-12\,x\,y^4$	$x\,y$	$-x\,y\,(12\,y^3 - 1)$	$-x\,y\,(12\,y^3 + 1)$	$-12\,x^2\,y^5$	$-12\,y^3$
$9\,y^3$	$-4\,x^2\,y$	$y\,(-(2\,x - 3\,y))\,(2\,x + 3\,y)$	$y\,(4\,x^2 + 9\,y^2)$	$-36\,x^2\,y^4$	$-\frac{9\,y^2}{4\,x^2}$
$2\,x^4\,y^3$	$-8\,x\,y^4$	$2\,x\,y^3\,(x^3 - 4\,y)$	$2\,x\,y^3\,(x^3 + 4\,y)$	$-16\,x^5\,y^7$	$-\frac{x^3}{4\,y}$

26.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$-3\,x^4\,y^3$	$-8\,y^3$	$-(3\,x^4 + 8)\,y^3$	$-(3\,x^4 - 8)\,y^3$	$24\,x^4\,y^6$	$\frac{3\,x^4}{8}$
$-3\,x^3\,y$	$12\,x\,y^4$	$-3\,x\,y\,(x^2 - 4\,y^3)$	$-3\,x\,y\,(x^2 + 4\,y^3)$	$-36\,x^4\,y^5$	$-\frac{x^2}{4\,y^3}$
$3\,y^2$	$4\,x^4\,y$	$y\,(4\,x^4 + 3\,y)$	$y\,(-(4\,x^4 - 3\,y))$	$12\,x^4\,y^3$	$\frac{3\,y}{4\,x^4}$
$-4\,x^3\,y^4$	$-4\,x^2\,y^2$	$-4\,x^2\,y^2\,(x\,y^2 + 1)$	$-4\,x^2\,y^2\,(x\,y^2 - 1)$	$16\,x^5\,y^6$	$x\,y^2$
$-4\,x^3\,y^3$	$-4\,x^4\,y^2$	$-4\,x^3\,y^2\,(x + y)$	$4\,x^3\,y^2\,(x - y)$	$16\,x^7\,y^5$	$\frac{y}{x}$
$-6\,x^3\,y$	$-x^3\,y^3$	$-x^3\,y\,(y^2 + 6)$	$x^3\,y\,(y^2 - 6)$	$6\,x^6\,y^4$	$\frac{6}{y^2}$
$-7\,x^4\,y$	$-10\,x\,y^4$	$-x\,y\,(7\,x^3 + 10\,y^3)$	$-x\,y\,(7\,x^3 - 10\,y^3)$	$70\,x^5\,y^5$	$\frac{7\,x^3}{10\,y^3}$
$7\,x\,y^2$	$4\,x\,y^3$	$x\,y^2\,(4\,y + 7)$	$-x\,y^2\,(4\,y - 7)$	$28\,x^2\,y^5$	$\frac{7}{4\,y}$
$-3\,x\,y^2$	$6\,x^3\,y^4$	$3\,x\,y^2\,(2\,x^2\,y^2 - 1)$	$-3\,x\,y^2\,(2\,x^2\,y^2 + 1)$	$-18\,x^4\,y^6$	$-\frac{1}{2\,x^2\,y^2}$
$4\,x\,y^3$	$6\,x^2\,y$	$2\,x\,y\,(3\,x + 2\,y^2)$	$-2\,x\,y\,(3\,x - 2\,y^2)$	$24\,x^3\,y^4$	$\frac{2\,y^2}{3\,x}$

27.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
$3x^4y$	$-6xy^4$	$3xy(x^3 - 2y^3)$	$3xy(x^3 + 2y^3)$	$-18x^5y^5$	$-\frac{x^3}{2y^3}$
$2xy$	$-7x^3y$	$-x(7x^2 - 2)y$	$x(7x^2 + 2)y$	$-14x^4y^2$	$-\frac{2}{7x^2}$
$-6x^4y^3$	$4xy^2$	$-2xy^2(3x^3y - 2)$	$-2xy^2(3x^3y + 2)$	$-24x^5y^5$	$-\frac{3x^3y}{2}$
$-3x^3y^4$	$4x^3y^4$	x^3y^4	$-7x^3y^4$	$-12x^6y^8$	$-\frac{3}{4}$
$11xy$	$7xy^3$	$xy(7y^2 + 11)$	$-xy(7y^2 - 11)$	$77x^2y^4$	$\frac{11}{7y^2}$
$12x^3y^2$	$-2x^2y^3$	$2x^2y^2(6x - y)$	$2x^2y^2(6x + y)$	$-24x^5y^5$	$-\frac{6x}{y}$
$-6x^3y^2$	$6x^3y^2$	0	$-12x^3y^2$	$-36x^6y^4$	-1
$-9x^2y^4$	$-x^3y$	$-x^2y(x + 9y^3)$	$x^2y(x - 9y^3)$	$9x^5y^5$	$\frac{9y^3}{x}$
$3x^2y^4$	$-4x^4y$	$-x^2y(4x^2 - 3y^3)$	$x^2y(4x^2 + 3y^3)$	$-12x^6y^5$	$-\frac{3y^3}{4x^2}$
$9xy^2$	$2x^4y^2$	$x(2x^3 + 9)y^2$	$-x(2x^3 - 9)y^2$	$18x^5y^4$	$\frac{9}{2x^3}$

28.

A	B	$A + B$	$A - B$	$A \times B$	$A : B$
xy^2	$10x^3y$	$xy(10x^2 + y)$	$-xy(10x^2 - y)$	$10x^4y^3$	$\frac{y}{10x^2}$
$6x^3y^4$	$-7x^2y$	$x^2y(6xy^3 - 7)$	$x^2y(6xy^3 + 7)$	$-42x^5y^5$	$-\frac{6xy^3}{7}$
$10xy$	$9xy^4$	$xy(9y^3 + 10)$	$-xy(9y^3 - 10)$	$90x^2y^5$	$\frac{10}{9y^3}$
$-4x^3y$	$-3x^3y^4$	$-x^3y(3y^3 + 4)$	$x^3y(3y^3 - 4)$	$12x^6y^5$	$\frac{4}{3y^3}$
$-8xy^3$	$-11x^3y^3$	$-x(11x^2 + 8)y^3$	$x(11x^2 - 8)y^3$	$88x^4y^6$	$\frac{8}{11x^2}$
$-10x^4y^2$	x^2y^4	$-x^2y^2(10x^2 - y^2)$	$-x^2y^2(10x^2 + y^2)$	$-10x^6y^6$	$-\frac{10x^2}{y^2}$
$-6y$	$5x^4y^2$	$y(5x^4y - 6)$	$-y(5x^4y + 6)$	$-30x^4y^3$	$-\frac{6}{5x^4y}$
$-4x^4y^2$	$9xy$	$-xy(4x^3y - 9)$	$-xy(4x^3y + 9)$	$-36x^5y^3$	$-\frac{4x^3y}{9}$
$-5x^4y^2$	$-xy^4$	$-xy^2(5x^3 + y^2)$	$-xy^2(5x^3 - y^2)$	$5x^5y^6$	$\frac{5x^3}{y^2}$
$-y^3$	$-12x^4y$	$-y(12x^4 + y^2)$	$y(12x^4 - y^2)$	$12x^4y^4$	$\frac{y^2}{12x^4}$

29.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$-3x^2y^3$	$-xy^2$	$-xy^2(3xy+1)$	$-xy^2(3xy-1)$	$3x^3y^5$	$3xy$
$-11xy^2$	$-4xy^4$	$-xy^2(4y^2+11)$	$xy^2(4y^2-11)$	$44x^2y^6$	$\frac{11}{4y^2}$
$-8x^3y$	$6xy$	$-2x(4x^2-3)y$	$-2x(4x^2+3)y$	$-48x^4y^2$	$-\frac{4x^2}{3}$
$-3y^3$	$5y^4$	$y^3(5y-3)$	$-y^3(5y+3)$	$-15y^7$	$-\frac{3}{5y}$
$-11x^4y$	$-6x^2y^2$	$-x^2y(11x^2+6y)$	$-x^2y(11x^2-6y)$	$66x^6y^3$	$\frac{11x^2}{6y}$
$2x^3y^4$	$5x^4y^2$	$x^3y^2(5x+2y^2)$	$-x^3y^2(5x-2y^2)$	$10x^7y^6$	$\frac{2y^2}{5x}$
$-10y^2$	$-6x^3y^3$	$-2y^2(3x^3y+5)$	$2y^2(3x^3y-5)$	$60x^3y^5$	$\frac{5}{3x^3y}$
$7x^4y^3$	$-8xy^4$	$xy^3(7x^3-8y)$	$xy^3(7x^3+8y)$	$-56x^5y^7$	$-\frac{7x^3}{8y}$
$7x^3y^2$	$-4x^4y^2$	$-x^3(4x-7)y^2$	$x^3(4x+7)y^2$	$-28x^7y^4$	$-\frac{7}{4x}$
$4x^2y$	xy^2	$xy(4x+y)$	$xy(4x-y)$	$4x^3y^3$	$\frac{4x}{y}$

30.

A	B	$A+B$	$A-B$	$A\times B$	$A:B$
$-12xy^3$	$5x^4y^3$	$x(5x^3-12)y^3$	$-x(5x^3+12)y^3$	$-60x^5y^6$	$-\frac{12}{5x^3}$
$-11y^2$	$-y$	$-y(11y+1)$	$-y(11y-1)$	$11y^3$	$11y$
$6x^2y$	$8x^4y^2$	$2x^2y(4x^2y+3)$	$-2x^2y(4x^2y-3)$	$48x^6y^3$	$\frac{3}{4x^2y}$
$-12x^2y$	$5x^4y^3$	$x^2y(5x^2y^2-12)$	$-x^2y(5x^2y^2+12)$	$-60x^6y^4$	$-\frac{12}{5x^2y^2}$
$11y^2$	$8x^2y$	$y(8x^2+11y)$	$y(-(8x^2-11y))$	$88x^2y^3$	$\frac{11y}{8x^2}$
$-9xy^2$	$-4xy^4$	$-xy^2(4y^2+9)$	$xy^2(2y-3)(2y+3)$	$36x^2y^6$	$\frac{9}{4y^2}$
$-11x^2y^3$	$7x^4y^2$	$x^2y^2(7x^2-11y)$	$-x^2y^2(7x^2+11y)$	$-77x^6y^5$	$-\frac{11y}{7x^2}$
$11x^4y$	$-12x^3y$	$x^3(11x-12)y$	$x^3(11x+12)y$	$-132x^7y^2$	$-\frac{11x}{12}$
$-9y^3$	$-10y^2$	$-y^2(9y+10)$	$-y^2(9y-10)$	$90y^5$	$\frac{9y}{10}$
$-x^3y^2$	$-6x^3y^3$	$-x^3y^2(6y+1)$	$x^3y^2(6y-1)$	$6x^6y^5$	$\frac{1}{6y}$