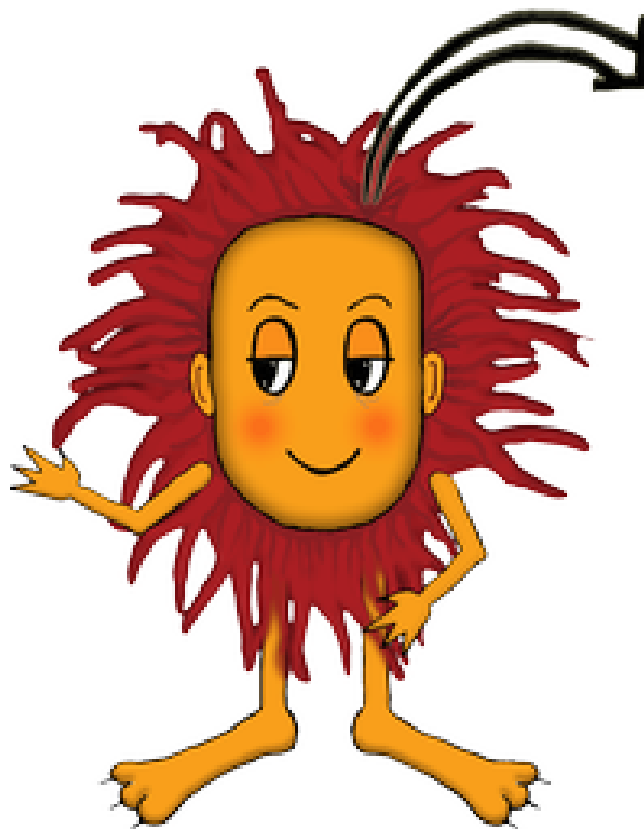


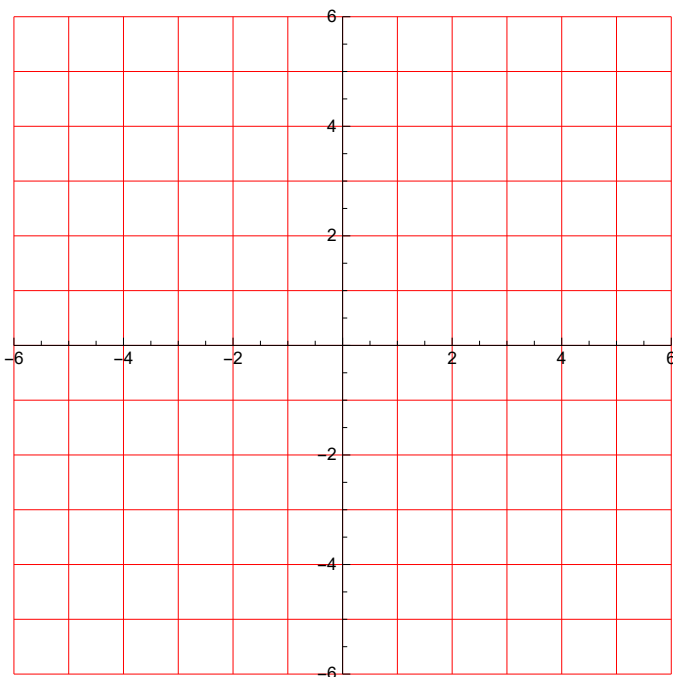
## Velika logična pošast



### Enačba premice skozi izhodišče in dano točko

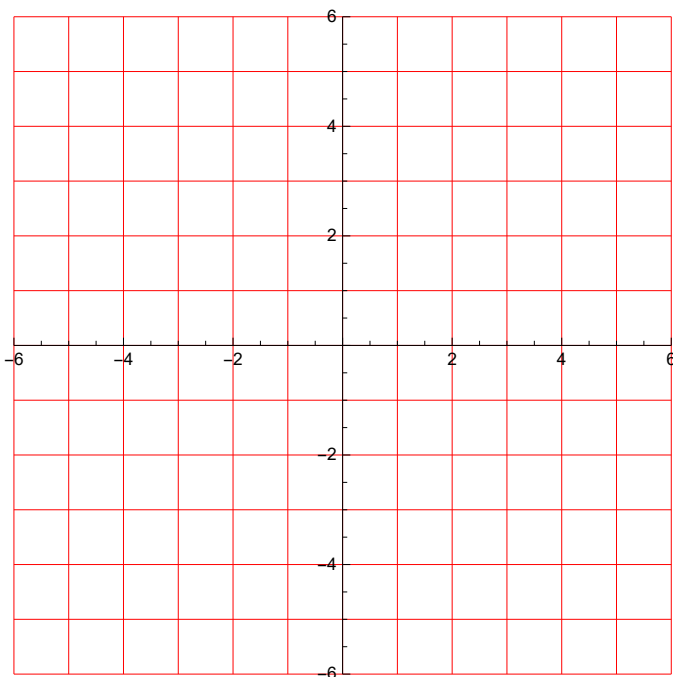
Zapiši enačbe premic, ki gredo skozi izhodišče in dane točke.  
Ali so med premicami tudi pari pravokotnih premic?  
Ali lahko na osnovi koordinat točk sklepamo o pravokotnosti?

1.



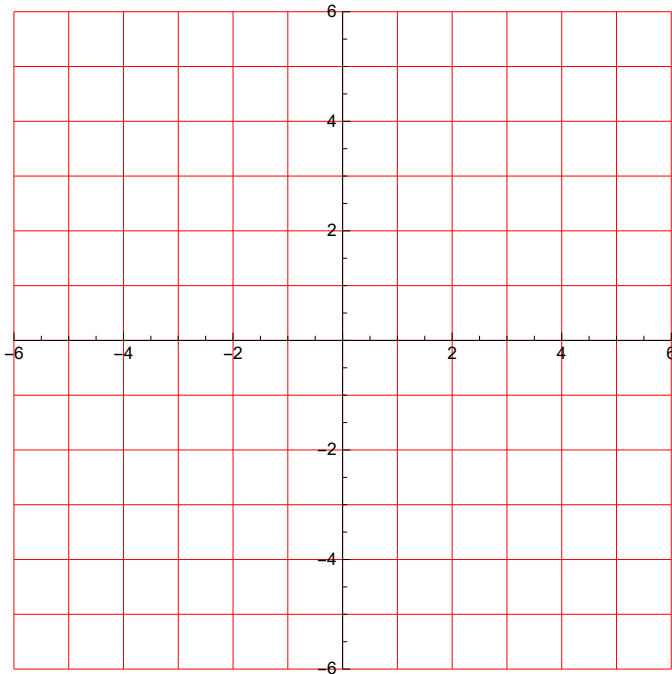
- A (-3, -2)
- B (-1, 0)
- C (-1, 4)
- D (-4, -1)
- E (-5, 5)
- F (2, -3)
- G (0, -1)
- H (-4, -1)
- I (1, -4)
- J (-5, -5)

2.



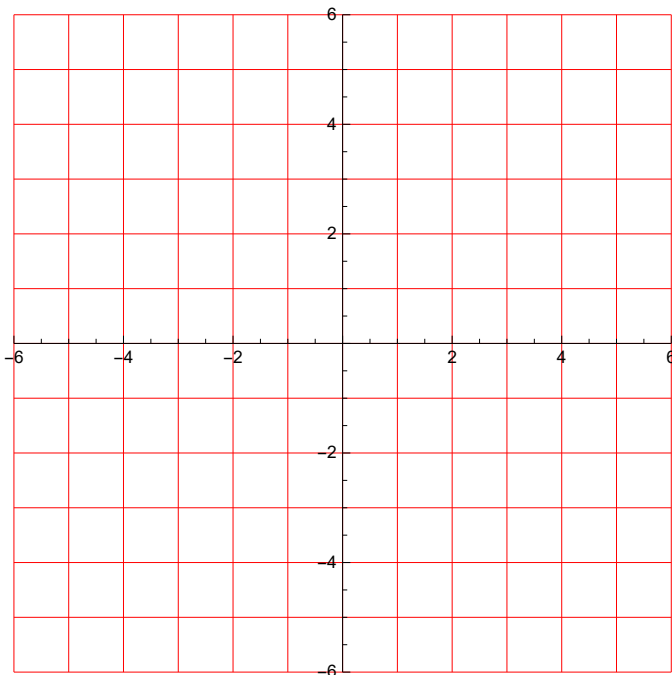
- A (4, -4)
- B (0, -5)
- C (-3, -3)
- D (-1, 5)
- E (-4, -5)
- F (4, 4)
- G (5, 0)
- H (3, -3)
- I (-5, -1)
- J (5, -4)

3.



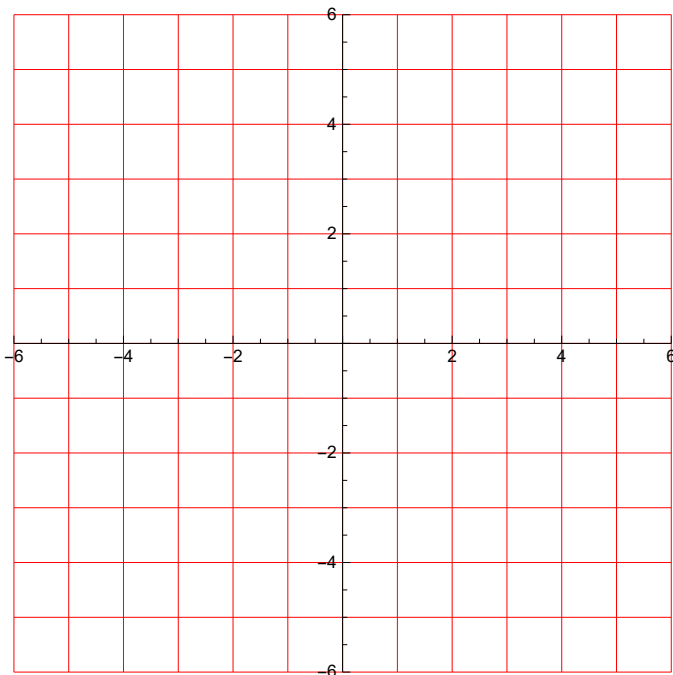
- A  $(-2, -1)$
- B  $(-4, -3)$
- C  $(-5, -2)$
- D  $(4, -3)$
- E  $(2, -5)$
- F  $(1, -2)$
- G  $(3, -4)$
- H  $(2, -5)$
- I  $(3, 4)$
- J  $(5, 2)$

4.



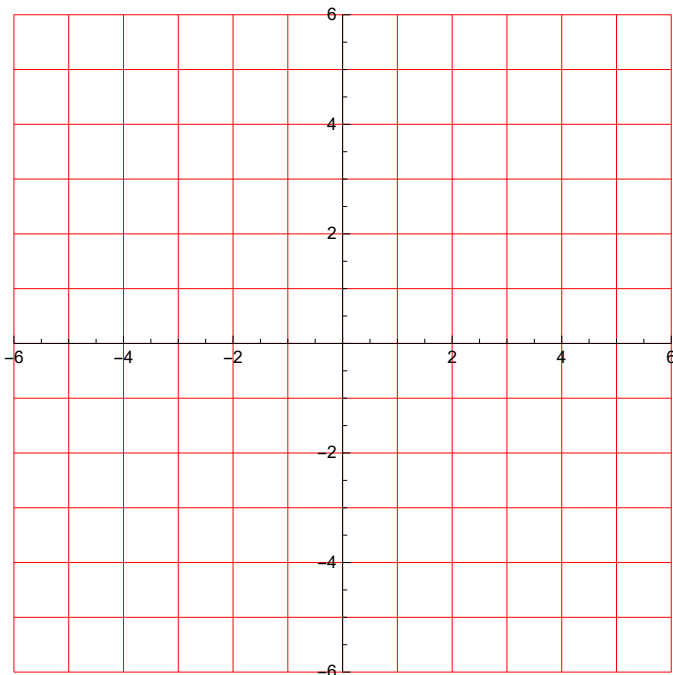
- A  $(3, 0)$
- B  $(2, 5)$
- C  $(-4, 0)$
- D  $(-1, 5)$
- E  $(-4, 4)$
- F  $(0, 3)$
- G  $(-5, 2)$
- H  $(0, -4)$
- I  $(-5, -1)$
- J  $(-4, -4)$

5.



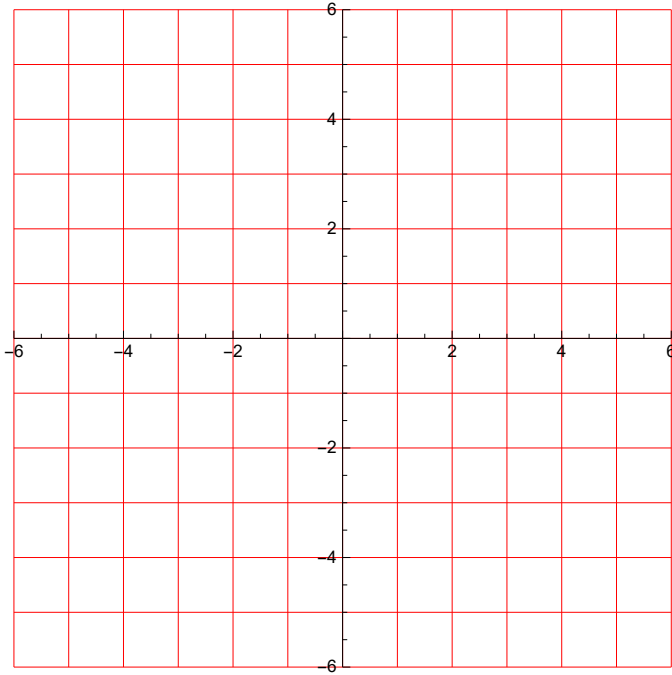
- A (-3,3)
- B (-4,-5)
- C (3,2)
- D (-2,4)
- E (-2,-5)
- F (-3,-3)
- G (5,-4)
- H (-2,3)
- I (-4,-2)
- J (5,-2)

6.



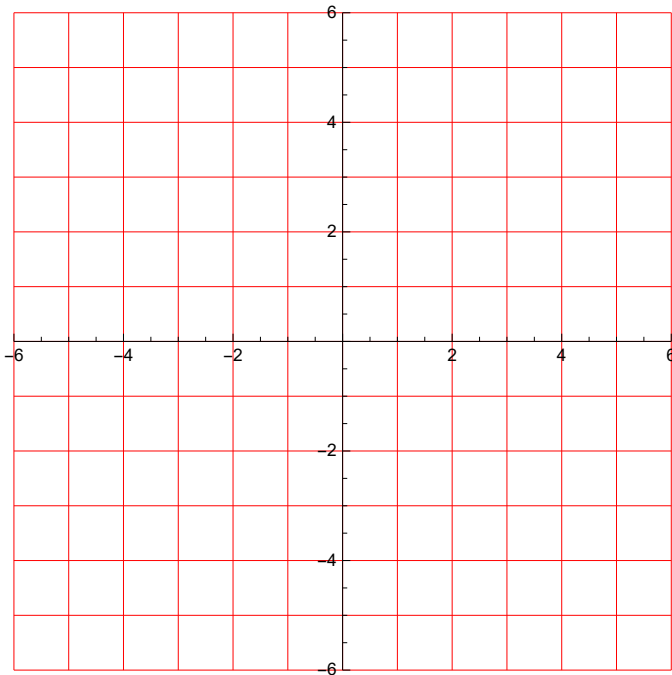
- A (1,-5)
- B (0,-5)
- C (3,-3)
- D (-3,5)
- E (3,-5)
- F (5,1)
- G (5,0)
- H (3,3)
- I (-5,-3)
- J (5,3)

7.



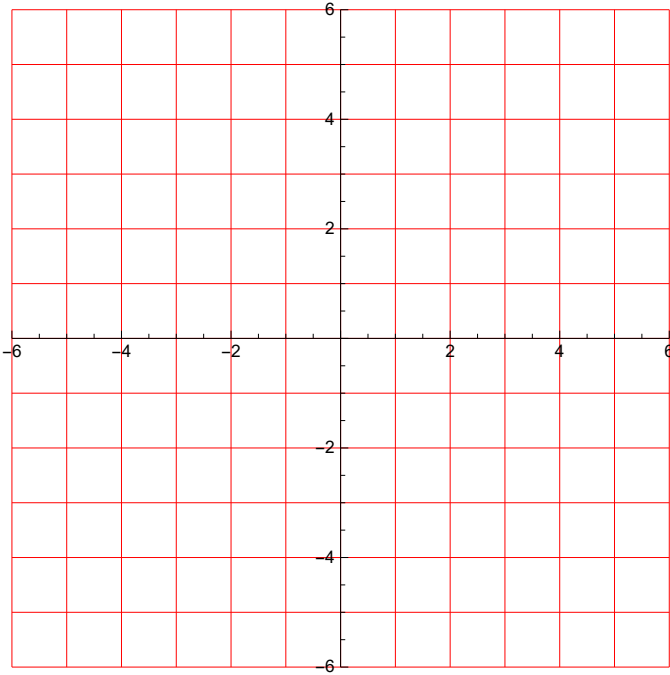
- A (1, -1)
- B (-2, 0)
- C (4, -5)
- D (2, 2)
- E (2, -1)
- F (1, 1)
- G (0, -2)
- H (5, 4)
- I (-2, 2)
- J (1, 2)

8.



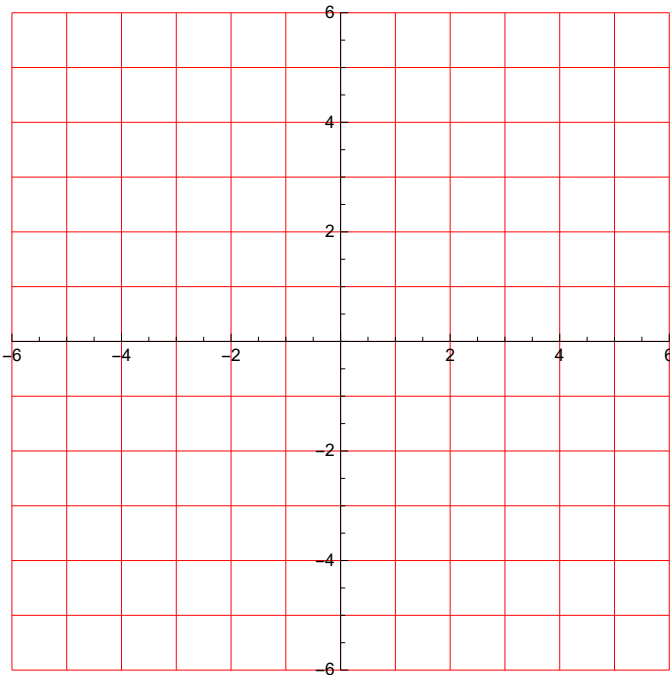
- A (-4, 2)
- B (-3, 5)
- C (1, 0)
- D (1, 4)
- E (-1, 3)
- F (-2, -4)
- G (-5, -3)
- H (0, 1)
- I (-4, 1)
- J (-3, -1)

9.



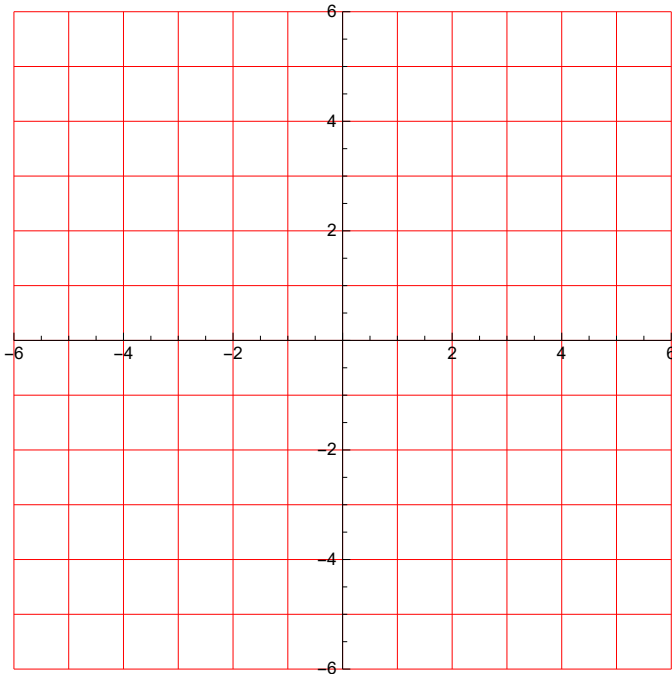
- A (-2,3)
- B (4,-1)
- C (-1,-2)
- D (1,-2)
- E (2,0)
- F (-3,-2)
- G (1,4)
- H (2,-1)
- I (2,1)
- J (0,2)

10.



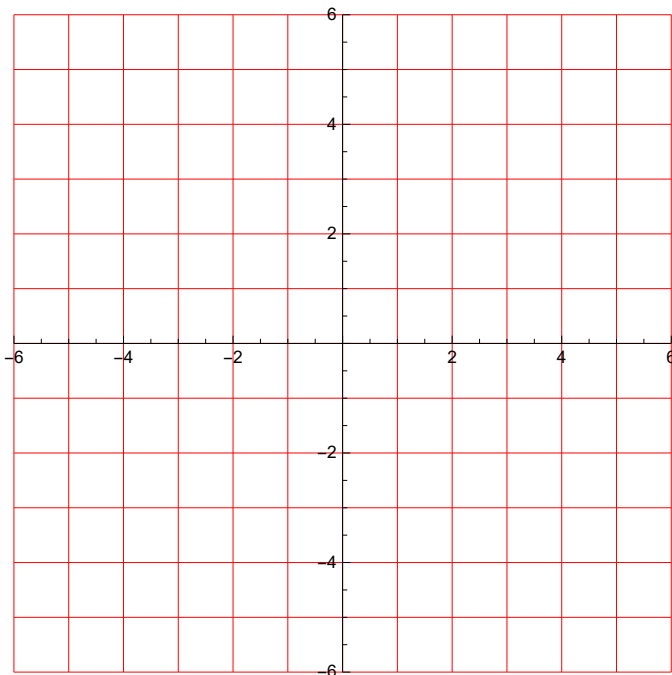
- A (-2,1)
- B (-5,-3)
- C (3,1)
- D (-1,3)
- E (5,3)
- F (-1,-2)
- G (3,-5)
- H (-1,3)
- I (-3,-1)
- J (-3,5)

11.



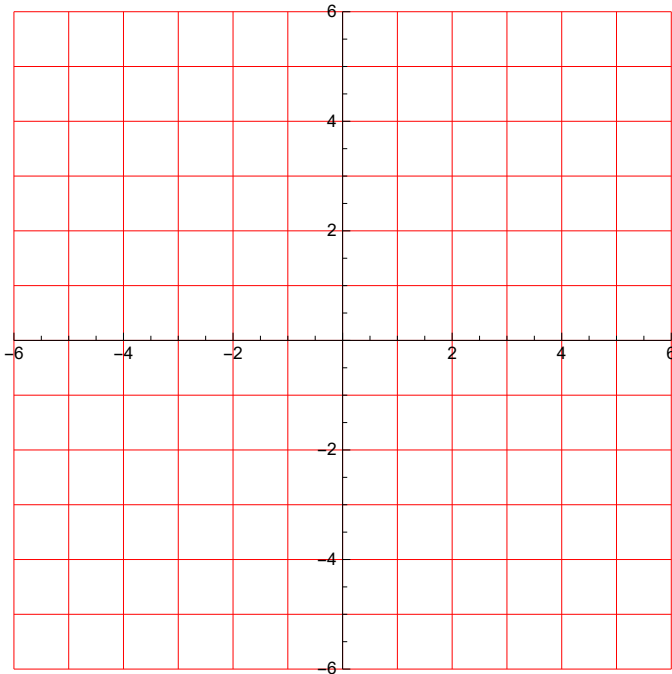
- A (-5, 3)
- B (-3, 2)
- C (0, -3)
- D (-4, 0)
- E (-5, -3)
- F (-3, -5)
- G (-2, -3)
- H (3, 0)
- I (0, -4)
- J (3, -5)

12.



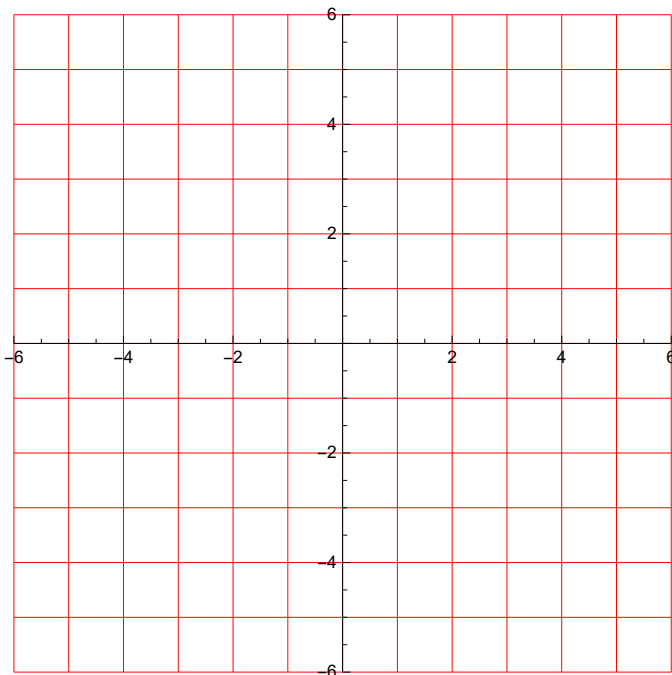
- A (3, 3)
- B (2, 2)
- C (-5, -2)
- D (-4, -4)
- E (-5, -3)
- F (-3, 3)
- G (-2, 2)
- H (2, -5)
- I (4, -4)
- J (3, -5)

13.



- A (5,5)
- B (0,-5)
- C (4,-3)
- D (-4,-1)
- E (5,-1)
- F (-5,5)
- G (5,0)
- H (3,4)
- I (1,-4)
- J (1,5)

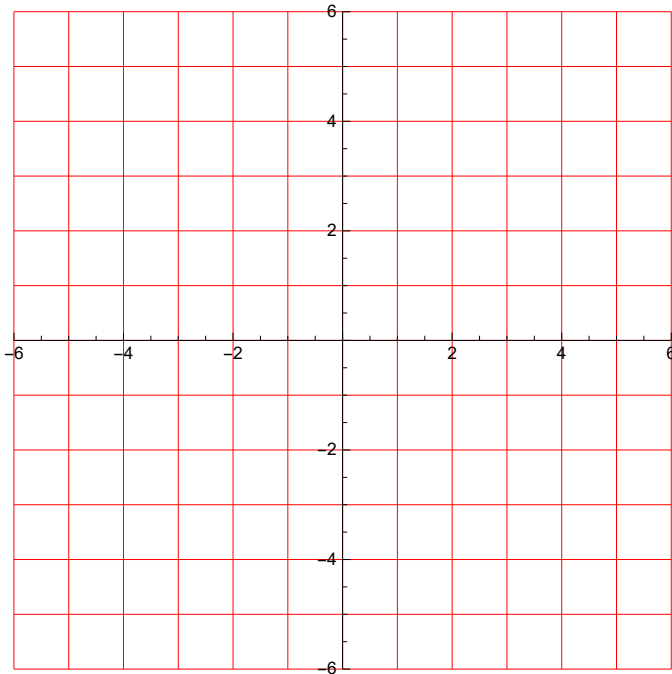
14.



- A (2,3)
- B (-5,-5)
- C (-4,0)
- D (-1,4)
- E (0,1)
- F (-3,2)
- G (5,-5)
- H (0,-4)
- I (-4,-1)
- J (-1,0)

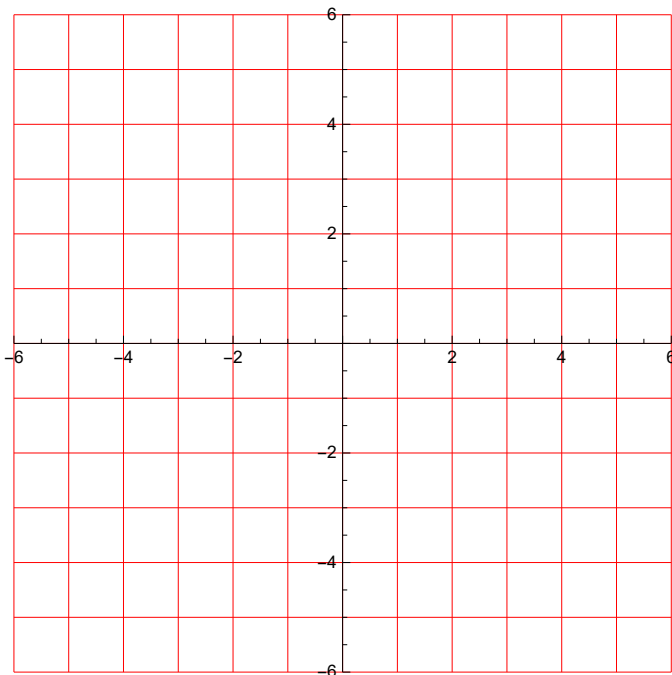


15.



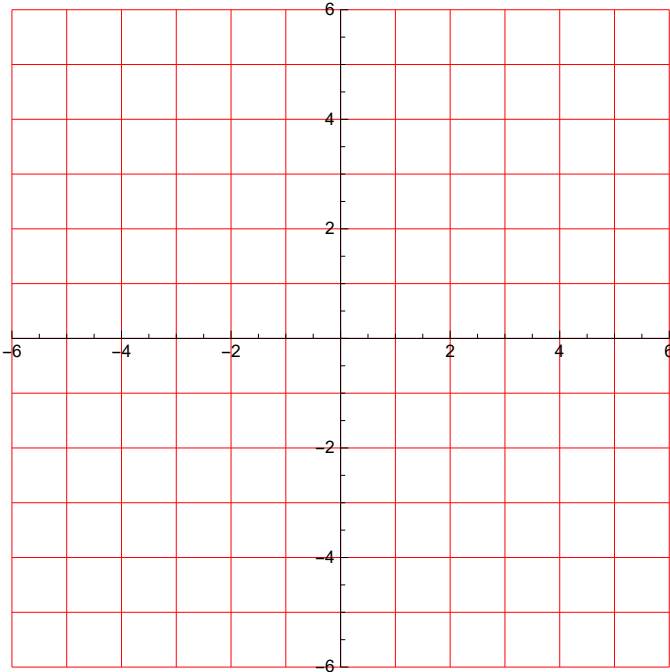
- A  $(0, -3)$
- B  $(-4, 4)$
- C  $(1, -2)$
- D  $(1, 1)$
- E  $(0, 1)$
- F  $(3, 0)$
- G  $(-4, -4)$
- H  $(2, 1)$
- I  $(-1, 1)$
- J  $(-1, 0)$

16.



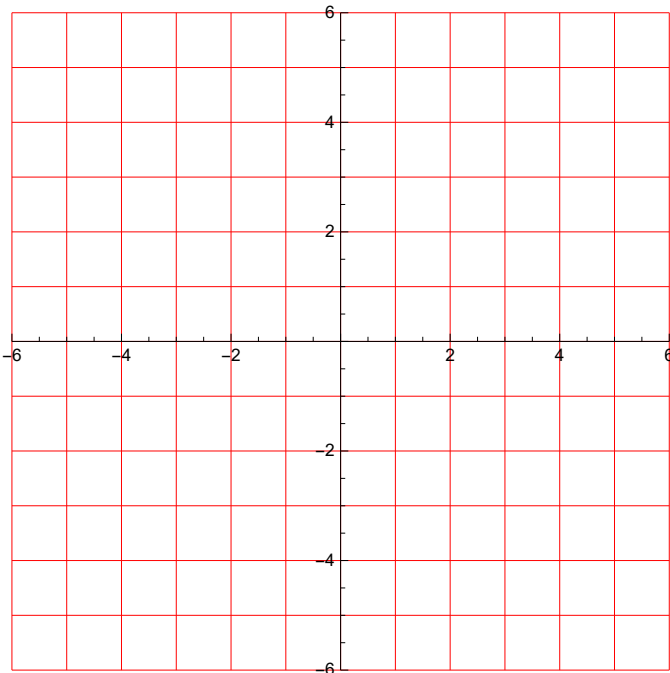
- A  $(-3, -1)$
- B  $(5, 0)$
- C  $(-5, 0)$
- D  $(2, 5)$
- E  $(3, 5)$
- F  $(1, -3)$
- G  $(0, 5)$
- H  $(0, -5)$
- I  $(-5, 2)$
- J  $(-5, 3)$

17.



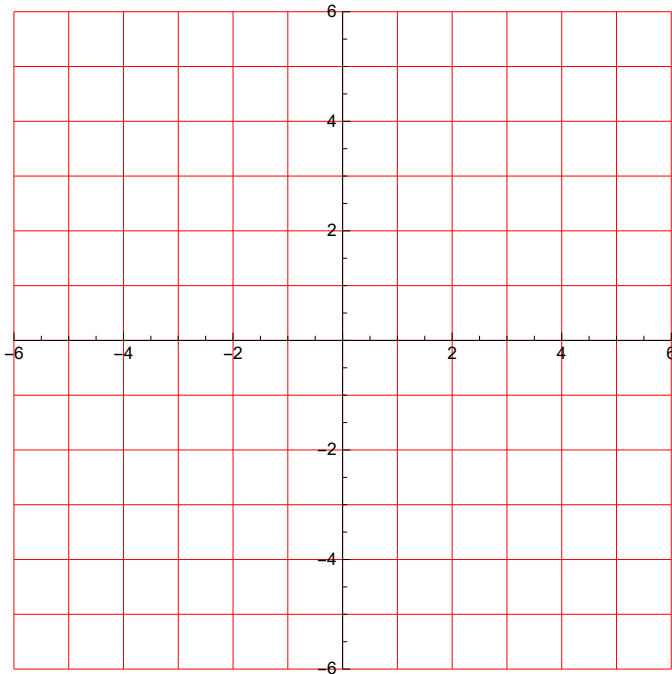
- A (-1,1)
- B (2,2)
- C (-4,-4)
- D (-2,4)
- E (-5,4)
- F (-1,-1)
- G (-2,2)
- H (4,-4)
- I (-4,-2)
- J (-4,-5)

18.



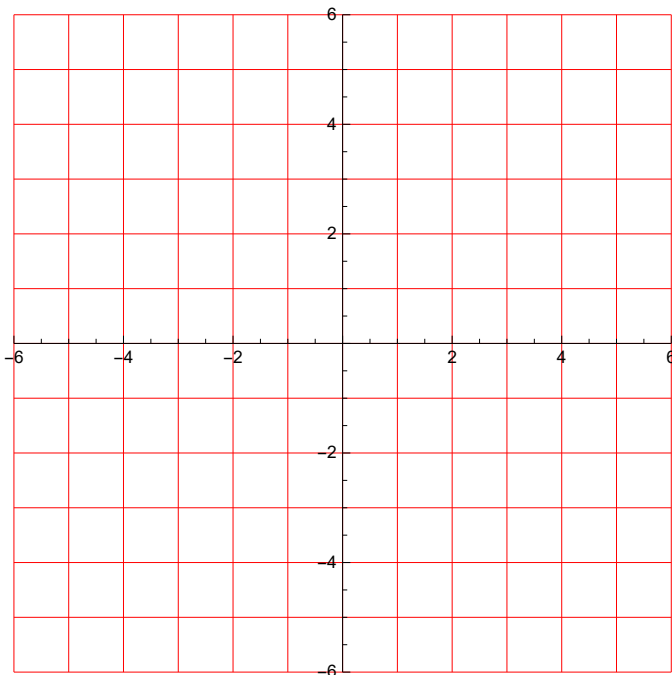
- A (1,0)
- B (5,5)
- C (2,0)
- D (-4,0)
- E (-3,0)
- F (0,1)
- G (-5,5)
- H (0,2)
- I (0,-4)
- J (0,-3)

19.



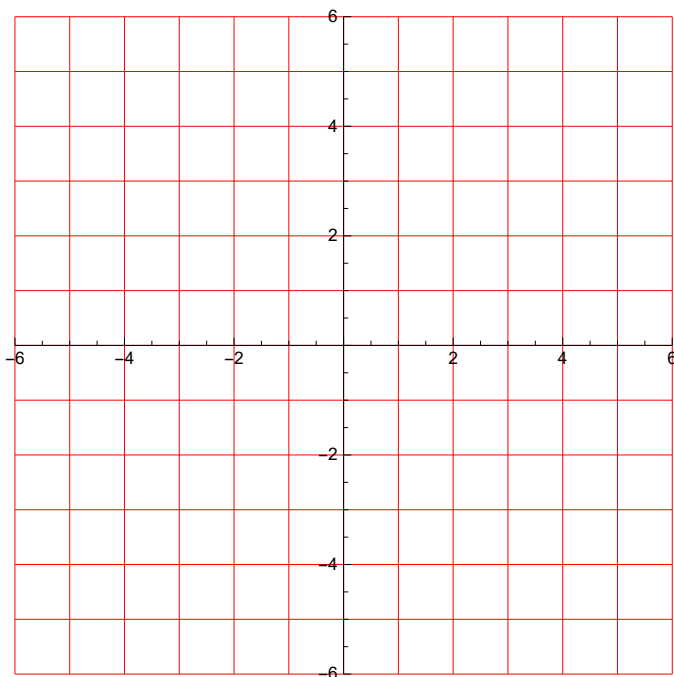
- A  $(-4, 2)$
- B  $(0, -3)$
- C  $(1, 1)$
- D  $(-5, 0)$
- E  $(3, -2)$
- F  $(-2, -4)$
- G  $(3, 0)$
- H  $(-1, 1)$
- I  $(0, -5)$
- J  $(2, 3)$

20.



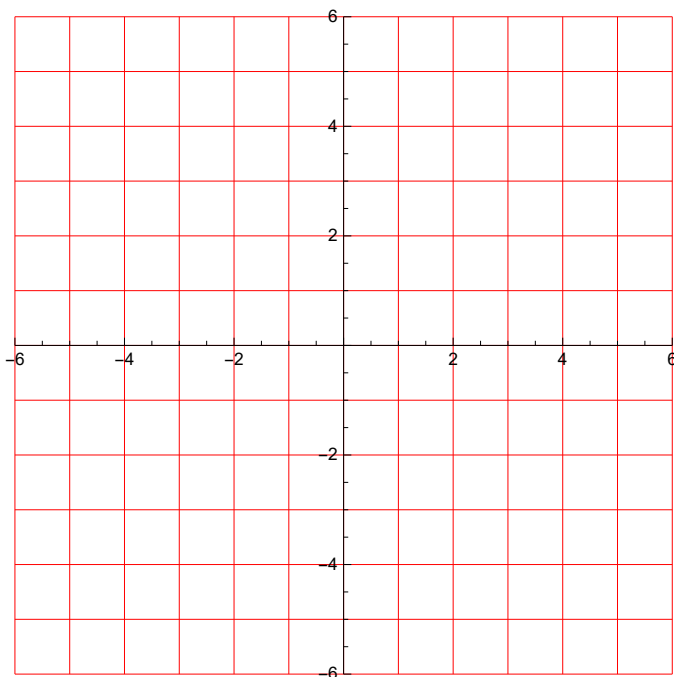
- A  $(0, 5)$
- B  $(2, 5)$
- C  $(2, -5)$
- D  $(5, -1)$
- E  $(0, 2)$
- F  $(-5, 0)$
- G  $(-5, 2)$
- H  $(5, 2)$
- I  $(1, 5)$
- J  $(-2, 0)$

21.



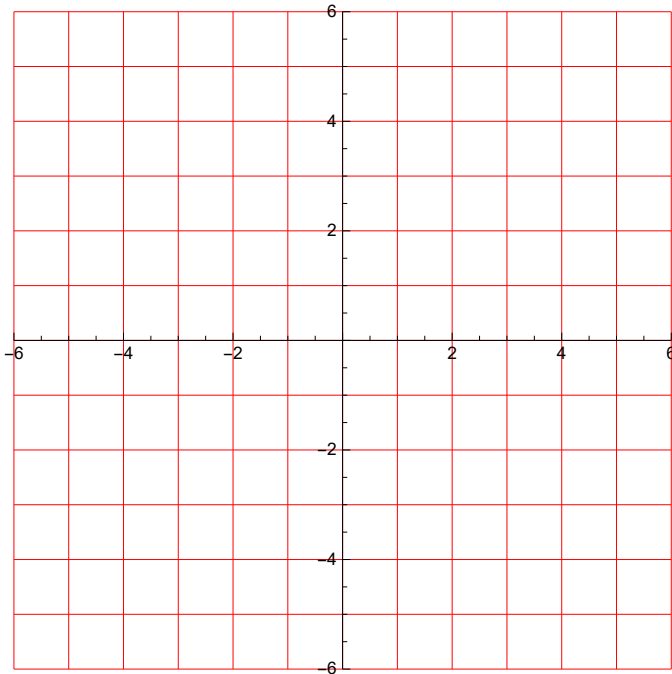
- A (-2, -3)
- B (1, 5)
- C (-3, 5)
- D (-5, 4)
- E (3, 5)
- F (3, -2)
- G (-5, 1)
- H (-5, -3)
- I (-4, -5)
- J (-5, 3)

22.



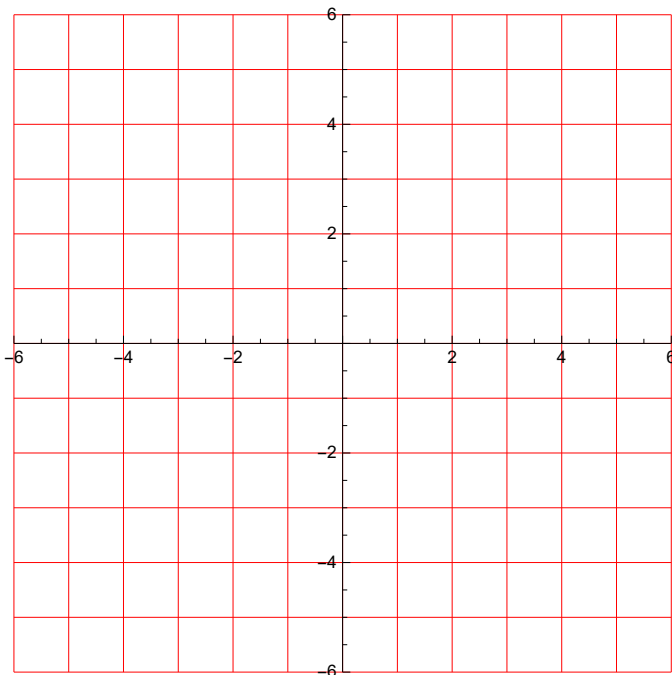
- A (1, -2)
- B (-1, 4)
- C (-4, -4)
- D (0, -1)
- E (-4, 2)
- F (2, 1)
- G (-4, -1)
- H (4, -4)
- I (1, 0)
- J (-2, -4)

23.



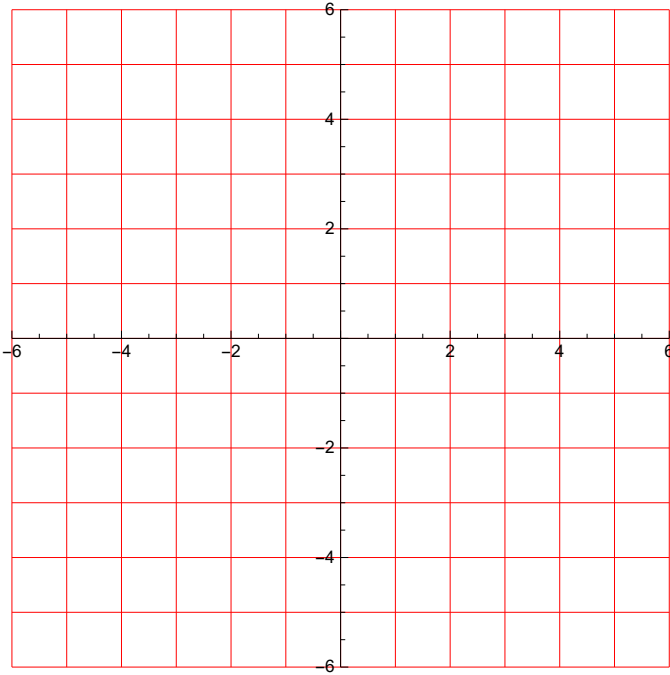
- A  $(-2, -5)$
- B  $(1, -3)$
- C  $(-2, 3)$
- D  $(-4, 4)$
- E  $(4, -4)$
- F  $(5, -2)$
- G  $(3, 1)$
- H  $(-3, -2)$
- I  $(-4, -4)$
- J  $(4, 4)$

24.



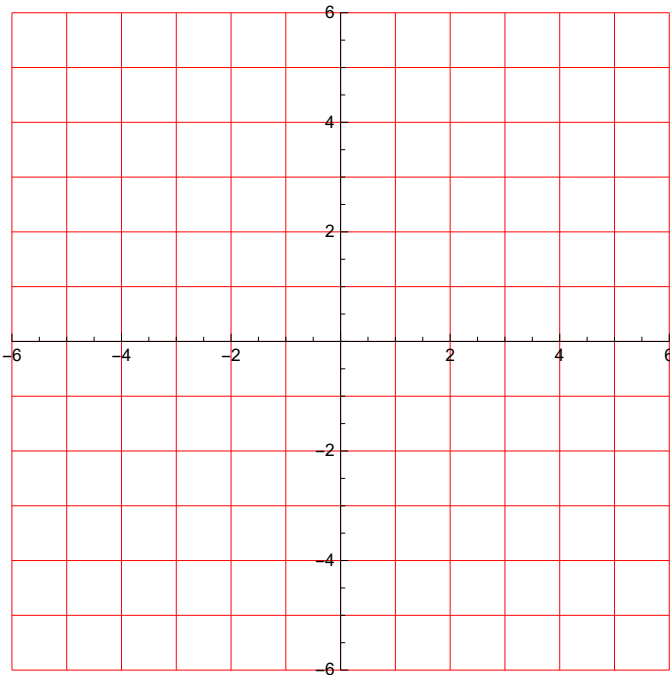
- A  $(-2, -3)$
- B  $(-2, 2)$
- C  $(-2, -5)$
- D  $(3, -2)$
- E  $(1, 1)$
- F  $(3, -2)$
- G  $(-2, -2)$
- H  $(5, -2)$
- I  $(2, 3)$
- J  $(-1, 1)$

25.



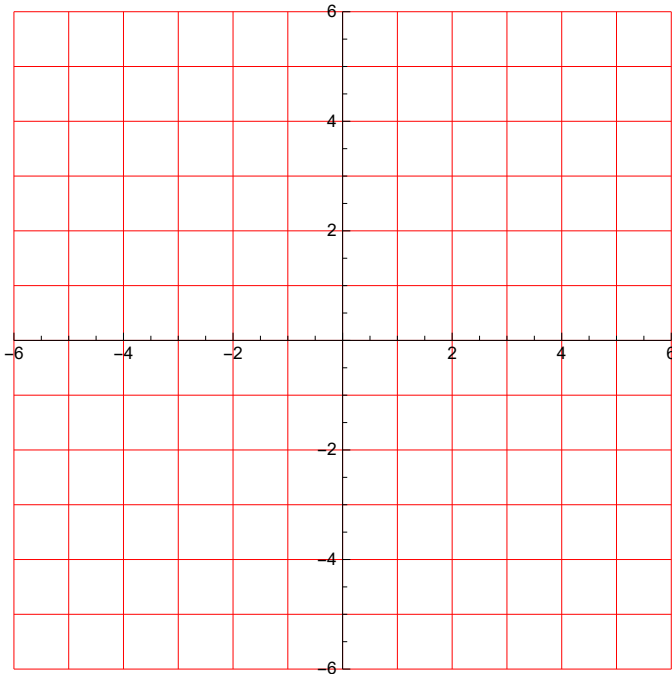
- A  $(-2, -3)$
- B  $(3, 3)$
- C  $(-2, 3)$
- D  $(3, 2)$
- E  $(0, -3)$
- F  $(3, -2)$
- G  $(-3, 3)$
- H  $(-3, -2)$
- I  $(-2, 3)$
- J  $(3, 0)$

26.



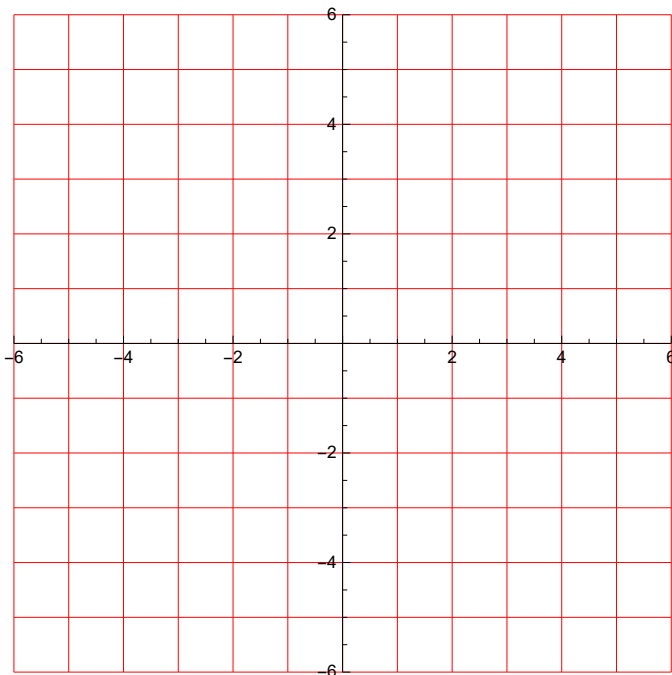
- A  $(2, -4)$
- B  $(4, -4)$
- C  $(-2, -5)$
- D  $(4, -1)$
- E  $(-5, -4)$
- F  $(4, 2)$
- G  $(4, 4)$
- H  $(5, -2)$
- I  $(1, 4)$
- J  $(4, -5)$

27.



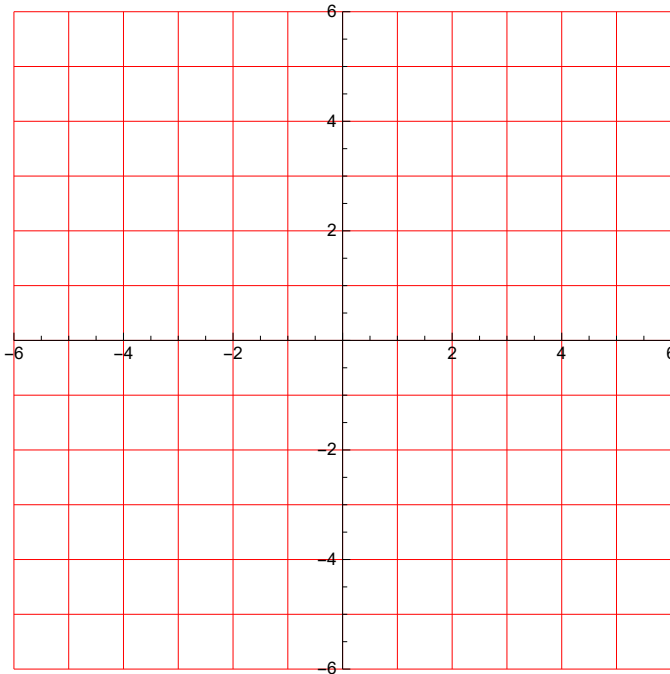
- A  $(0,0)$
- B  $(-2,-4)$
- C  $(0,-2)$
- D  $(-2,4)$
- E  $(0,4)$
- F  $(0,0)$
- G  $(4,-2)$
- H  $(2,0)$
- I  $(-4,-2)$
- J  $(-4,0)$

28.



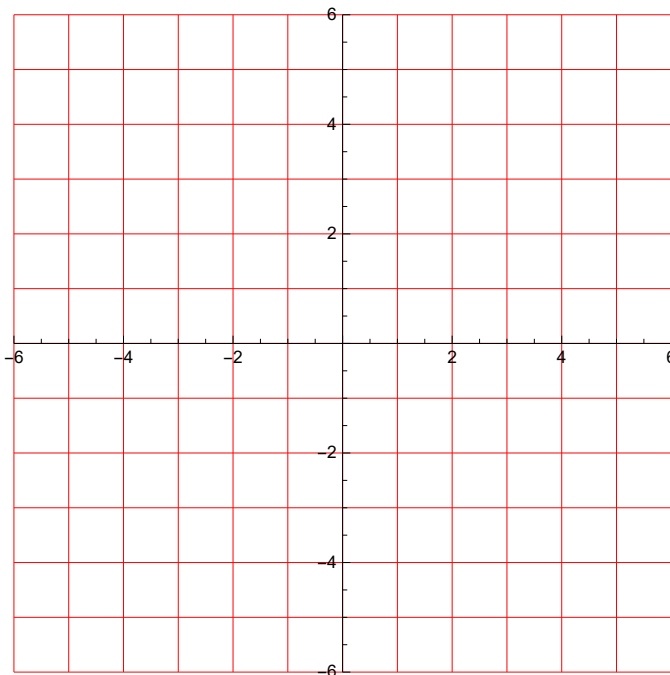
- A  $(2,-3)$
- B  $(5,-5)$
- C  $(5,0)$
- D  $(3,-4)$
- E  $(-2,1)$
- F  $(3,2)$
- G  $(5,5)$
- H  $(0,5)$
- I  $(4,3)$
- J  $(-1,-2)$

29.



- A (0,3)
- B (1,1)
- C (-1,3)
- D (0,-1)
- E (5,-5)
- F (-3,0)
- G (-1,1)
- H (-3,-1)
- I (1,0)
- J (5,5)

30.

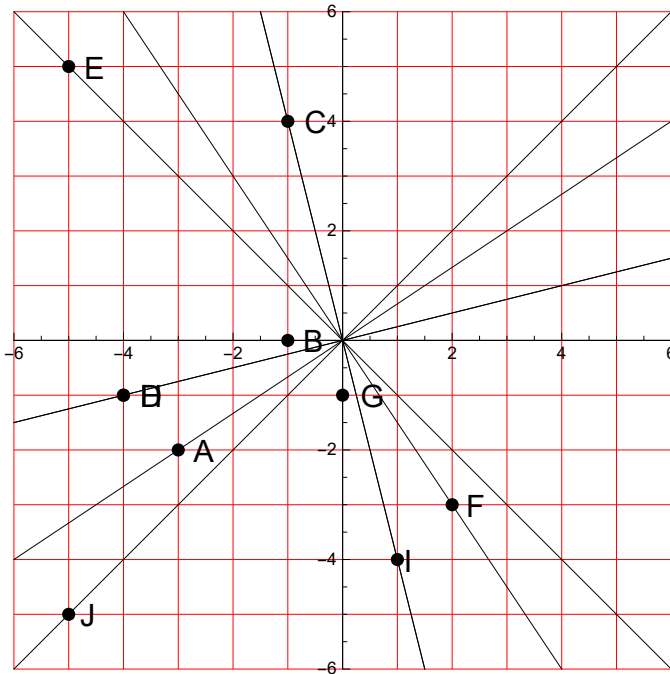


- A (-1,-5)
- B (-2,2)
- C (-1,0)
- D (-3,3)
- E (0,3)
- F (5,-1)
- G (-2,-2)
- H (0,-1)
- I (-3,-3)
- J (-3,0)

Rešitve:

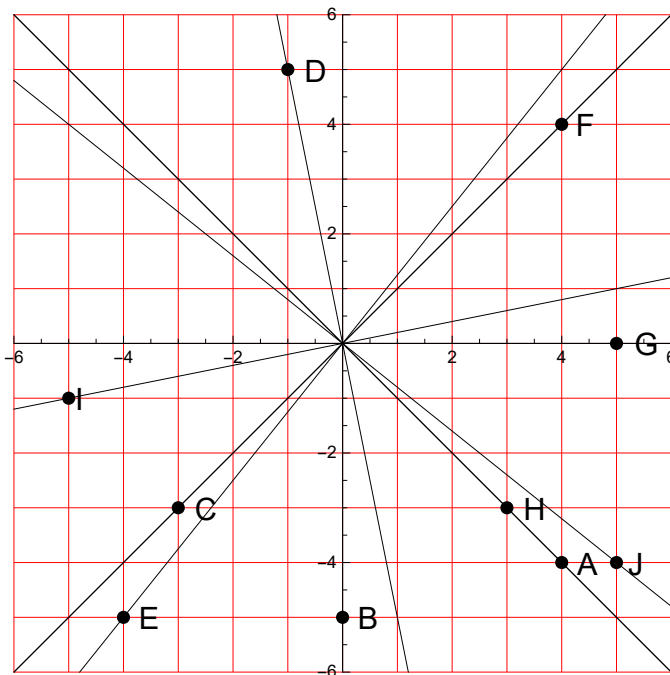


1.



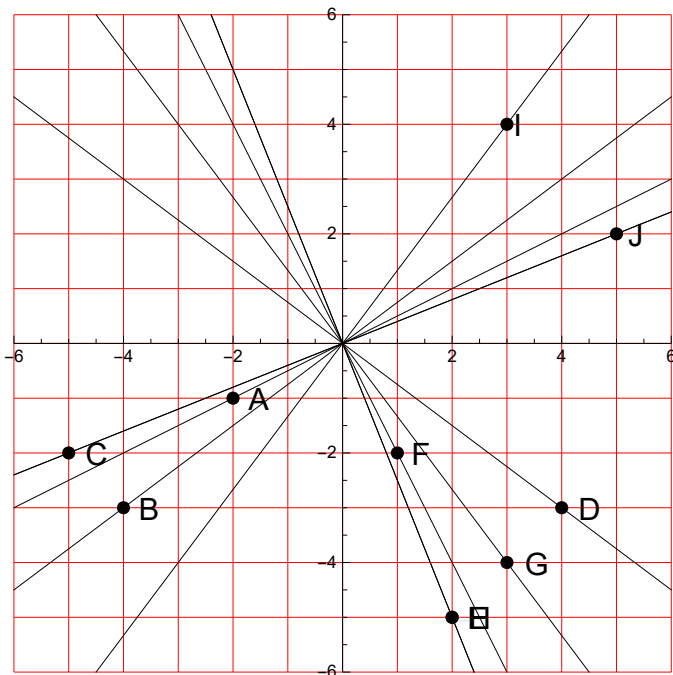
$OA: y = \frac{2x}{3}$   
 $OB: y = 0$   
 $OC: y = -4x$   
 $OD: y = \frac{x}{4}$   
 $OE: y = -x$   
 $OF: y = -\frac{3x}{2}$   
 $OG: x = 0$   
 $OH: y = \frac{x}{4}$   
 $OI: y = -4x$   
 $OJ: y = x$

2.



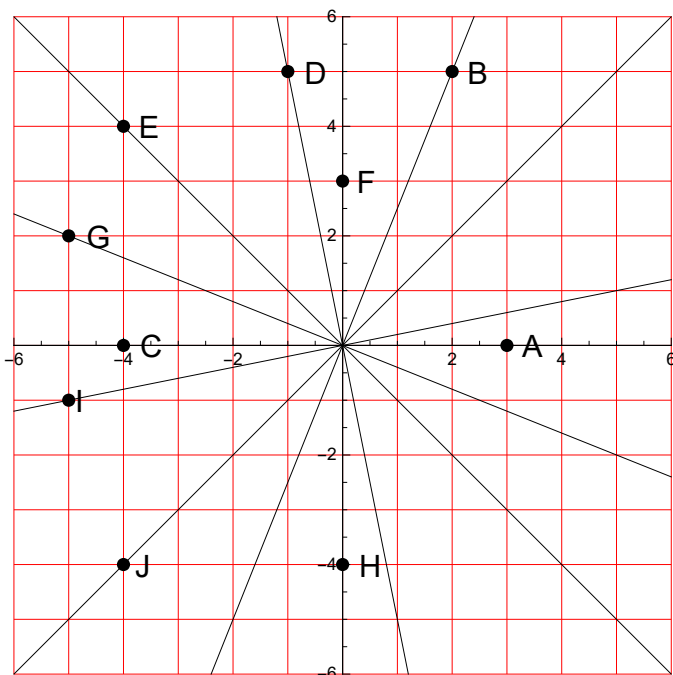
$OA: y = -x$   
 $OB: x = 0$   
 $OC: y = x$   
 $OD: y = -5x$   
 $OE: y = \frac{5x}{4}$   
 $OF: y = x$   
 $OG: y = 0$   
 $OH: y = -x$   
 $OI: y = \frac{x}{5}$   
 $OJ: y = -\frac{4x}{5}$

3.



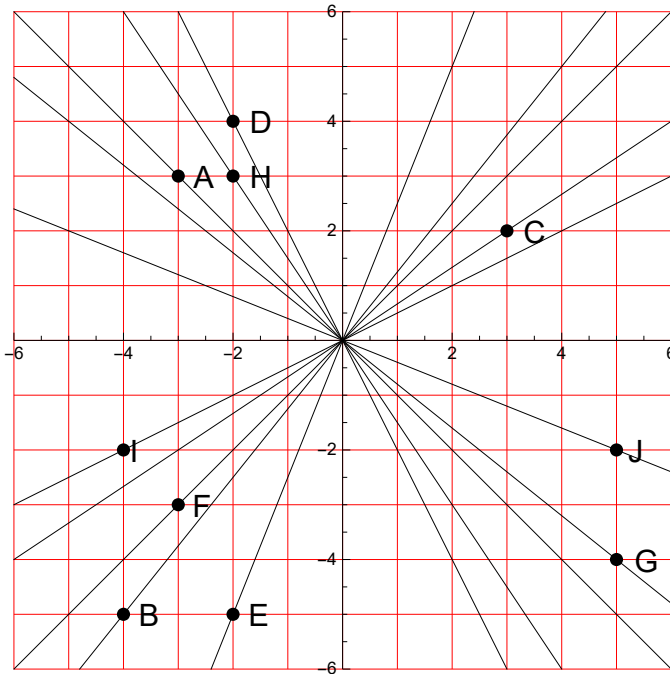
$$\begin{aligned} OA: y &= \frac{x}{2} \\ OB: y &= \frac{3x}{4} \\ OC: y &= \frac{2x}{5} \\ OD: y &= -\frac{3x}{4} \\ OE: y &= -\frac{5x}{2} \\ OF: y &= -2x \\ OG: y &= -\frac{4x}{3} \\ OH: y &= -\frac{5x}{2} \\ OI: y &= \frac{4x}{3} \\ OJ: y &= \frac{2x}{5} \end{aligned}$$

4.



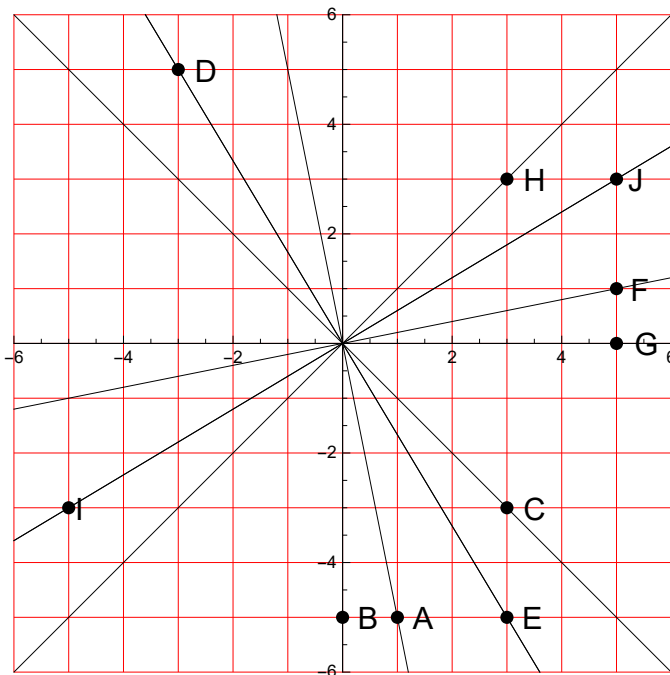
$$\begin{aligned} OA: y &= 0 \\ OB: y &= \frac{5x}{2} \\ OC: y &= 0 \\ OD: y &= -5x \\ OE: y &= -x \\ OF: x &= 0 \\ OG: y &= -\frac{2x}{5} \\ OH: x &= 0 \\ OI: y &= \frac{x}{5} \\ OJ: y &= x \end{aligned}$$

5.



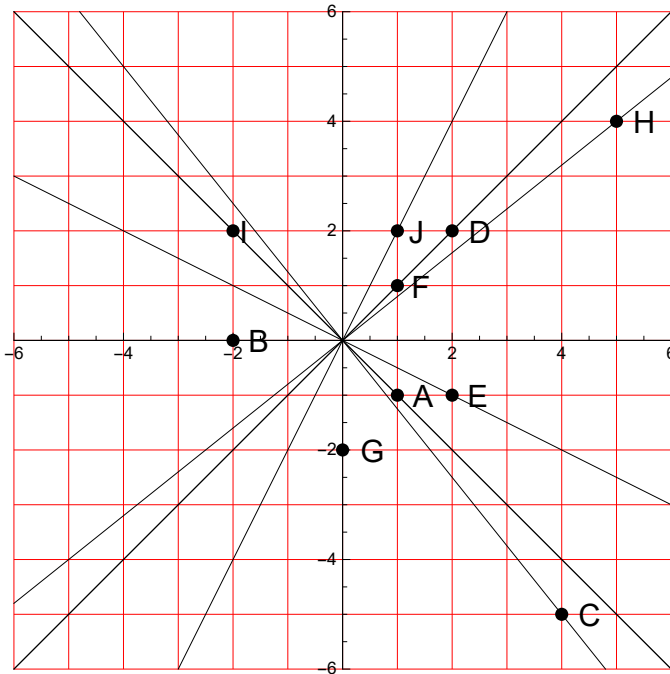
$$\begin{aligned} OA: y &= -x \\ OB: y &= \frac{5x}{4} \\ OC: y &= \frac{2x}{3} \\ OD: y &= -2x \\ OE: y &= \frac{5x}{2} \\ OF: y &= x \\ OG: y &= -\frac{4x}{5} \\ OH: y &= -\frac{3x}{2} \\ OI: y &= \frac{x}{2} \\ OJ: y &= -\frac{2x}{5} \end{aligned}$$

6.



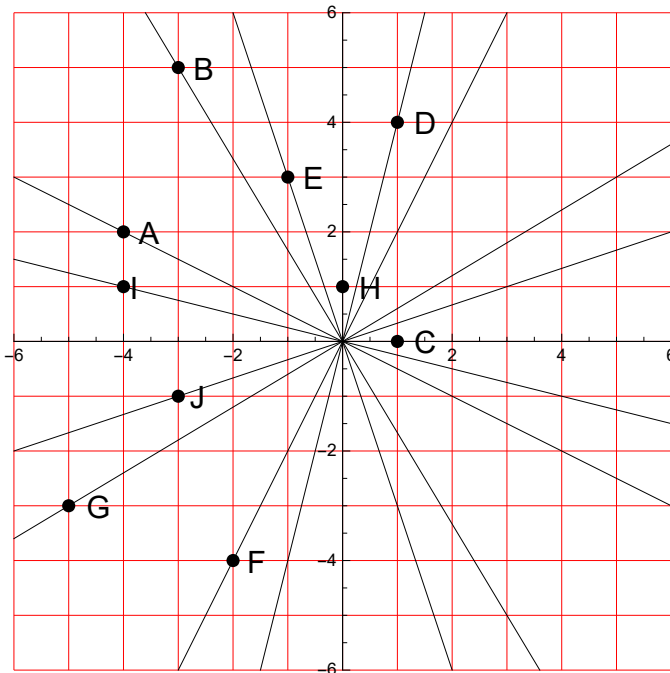
$$\begin{aligned} OA: y &= -5x \\ OB: x &= 0 \\ OC: y &= -x \\ OD: y &= -\frac{5x}{3} \\ OE: y &= -\frac{5x}{3} \\ OF: y &= \frac{x}{5} \\ OG: y &= 0 \\ OH: y &= x \\ OI: y &= \frac{3x}{5} \\ OJ: y &= \frac{3x}{5} \end{aligned}$$

7.



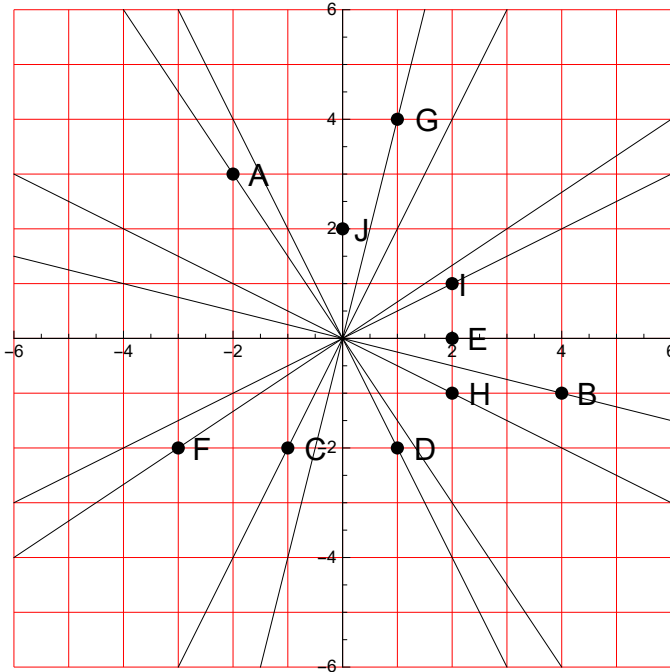
- OA:  $y = -x$
- OB:  $y = 0$
- OC:  $y = -\frac{5x}{4}$
- OD:  $y = x$
- OE:  $y = -\frac{x}{2}$
- OF:  $y = x$
- OG:  $x = 0$
- OH:  $y = \frac{4x}{5}$
- OI:  $y = -x$
- OJ:  $y = 2x$

8.



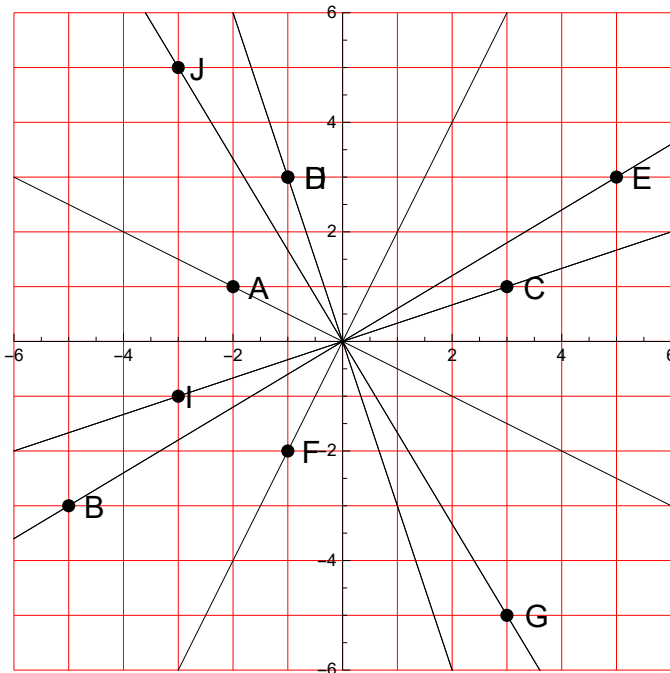
- OA:  $y = -\frac{x}{2}$
- OB:  $y = -\frac{5x}{3}$
- OC:  $y = 0$
- OD:  $y = 4x$
- OE:  $y = -3x$
- OF:  $y = 2x$
- OG:  $y = \frac{3x}{5}$
- OH:  $x = 0$
- OI:  $y = -\frac{x}{4}$
- OJ:  $y = \frac{x}{3}$

9.



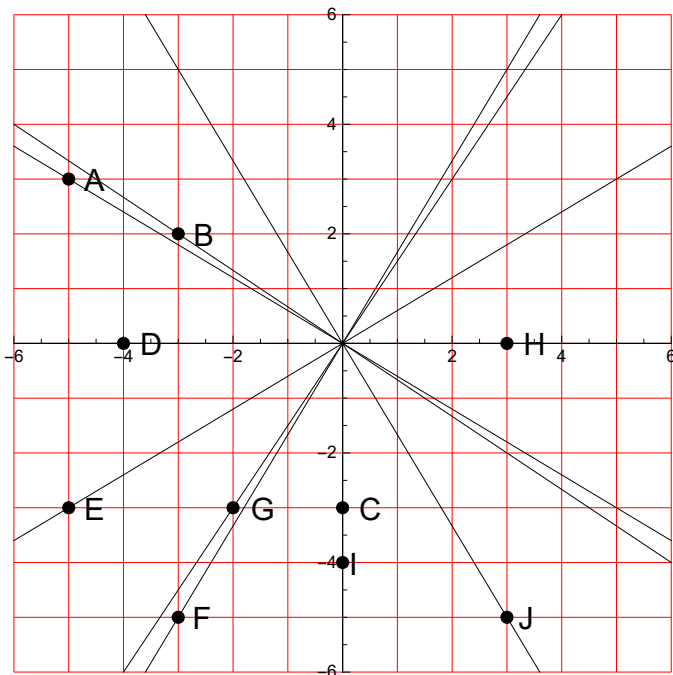
- OA:  $y = -\frac{3x}{2}$
- OB:  $y = -\frac{x}{4}$
- OC:  $y = 2x$
- OD:  $y = -2x$
- OE:  $y = 0$
- OF:  $y = \frac{2x}{3}$
- OG:  $y = 4x$
- OH:  $y = -\frac{x}{2}$
- OI:  $y = \frac{x}{2}$
- OJ:  $x = 0$

10.



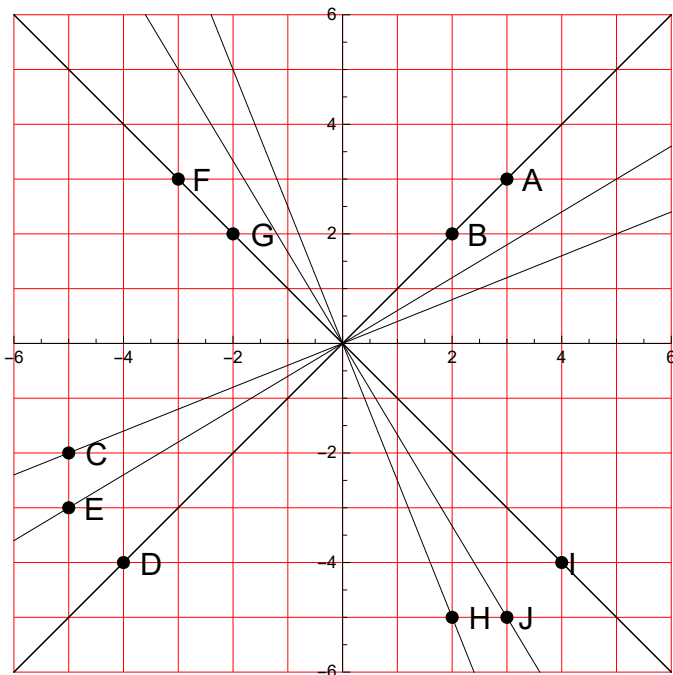
- OA:  $y = -\frac{x}{2}$
- OB:  $y = \frac{3x}{5}$
- OC:  $y = \frac{x}{3}$
- OD:  $y = -3x$
- OE:  $y = \frac{3x}{5}$
- OF:  $y = 2x$
- OG:  $y = -\frac{5x}{3}$
- OH:  $y = -3x$
- OI:  $y = \frac{x}{3}$
- OJ:  $y = -\frac{5x}{3}$

11.



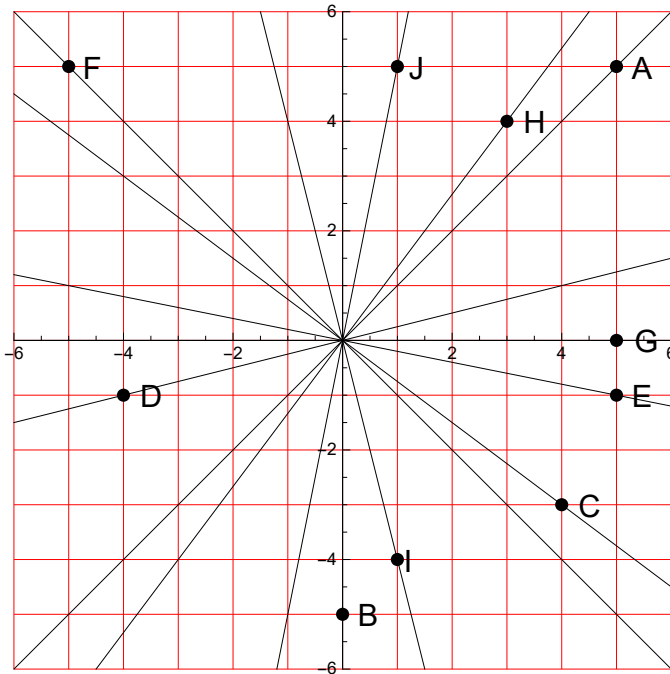
$OA: y = -\frac{3x}{5}$   
 $OB: y = -\frac{2x}{3}$   
 $OC: x = 0$   
 $OD: y = 0$   
 $OE: y = \frac{3x}{5}$   
 $OF: y = \frac{5x}{3}$   
 $OG: y = \frac{3x}{2}$   
 $OH: y = 0$   
 $OI: x = 0$   
 $OJ: y = -\frac{5x}{3}$

12.



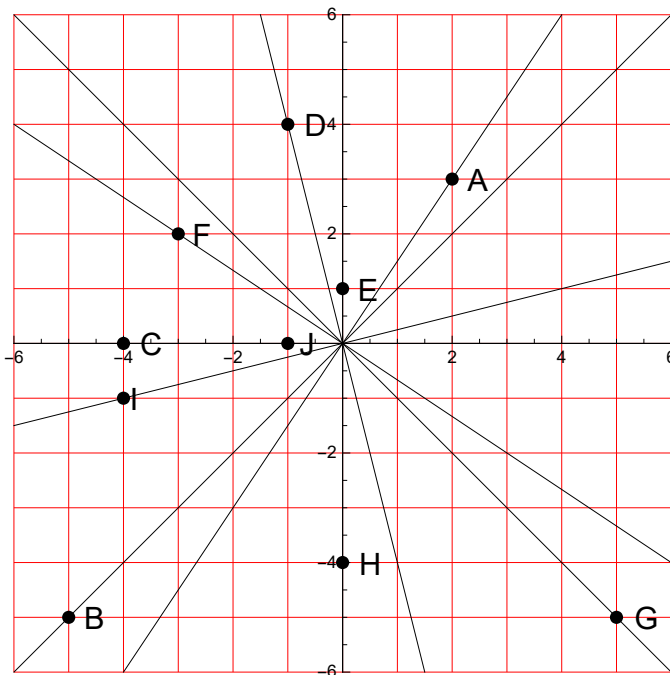
$OA: y = x$   
 $OB: y = x$   
 $OC: y = \frac{2x}{5}$   
 $OD: y = x$   
 $OE: y = \frac{3x}{5}$   
 $OF: y = -x$   
 $OG: y = -x$   
 $OH: y = -\frac{5x}{2}$   
 $OI: y = -x$   
 $OJ: y = -\frac{5x}{3}$

13.



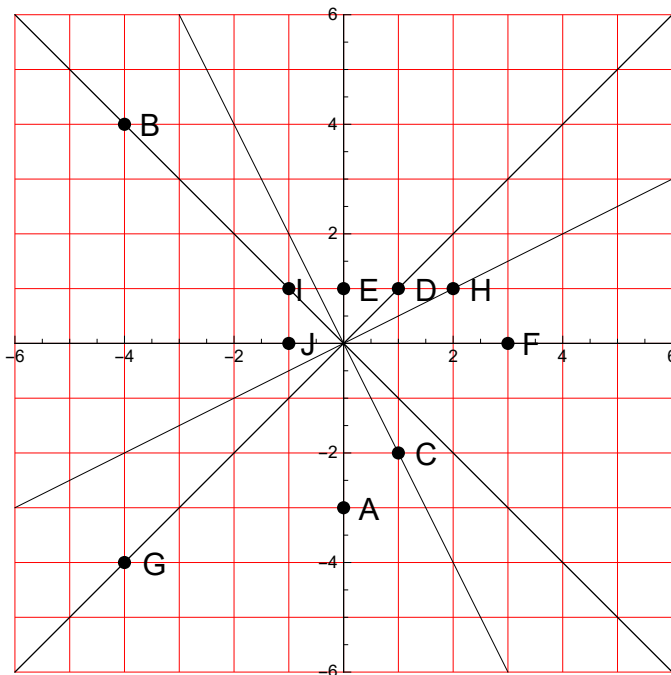
- OA:  $y = x$
- OB:  $x = 0$
- OC:  $y = -\frac{3x}{4}$
- OD:  $y = \frac{x}{4}$
- OE:  $y = -\frac{x}{5}$
- OF:  $y = -x$
- OG:  $y = 0$
- OH:  $y = \frac{4x}{3}$
- OI:  $y = -4x$
- OJ:  $y = 5x$

14.



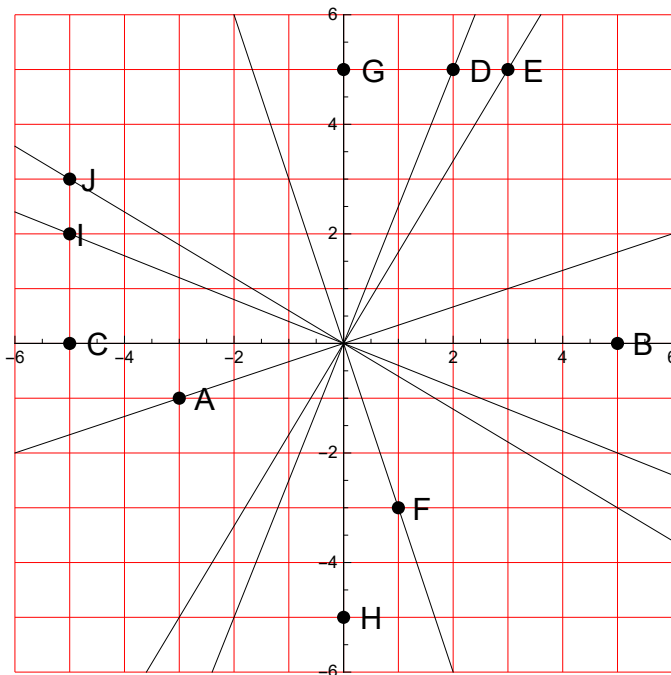
- OA:  $y = \frac{3x}{2}$
- OB:  $y = x$
- OC:  $y = 0$
- OD:  $y = -4x$
- OE:  $x = 0$
- OF:  $y = -\frac{2x}{3}$
- OG:  $y = -x$
- OH:  $x = 0$
- OI:  $y = \frac{x}{4}$
- OJ:  $y = 0$

15.



- OA:  $x = 0$
- OB:  $y = -x$
- OC:  $y = -2x$
- OD:  $y = x$
- OE:  $x = 0$
- OF:  $y = 0$
- OG:  $y = x$
- OH:  $y = \frac{x}{2}$
- OI:  $y = -x$
- OJ:  $y = 0$

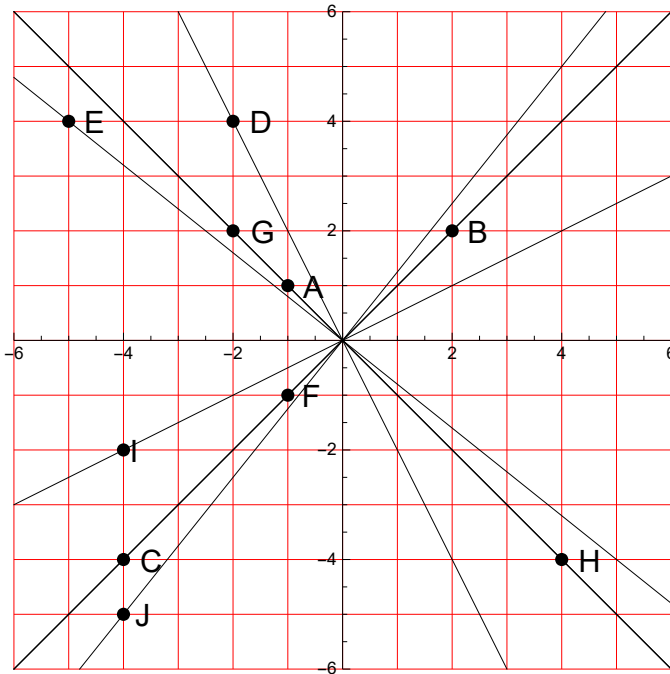
16.



- OA:  $y = \frac{x}{3}$
- OB:  $y = 0$
- OC:  $y = 0$
- OD:  $y = \frac{5x}{2}$
- OE:  $y = \frac{5x}{3}$
- OF:  $y = -3x$
- OG:  $x = 0$
- OH:  $x = 0$
- OI:  $y = -\frac{2x}{5}$
- OJ:  $y = -\frac{3x}{5}$

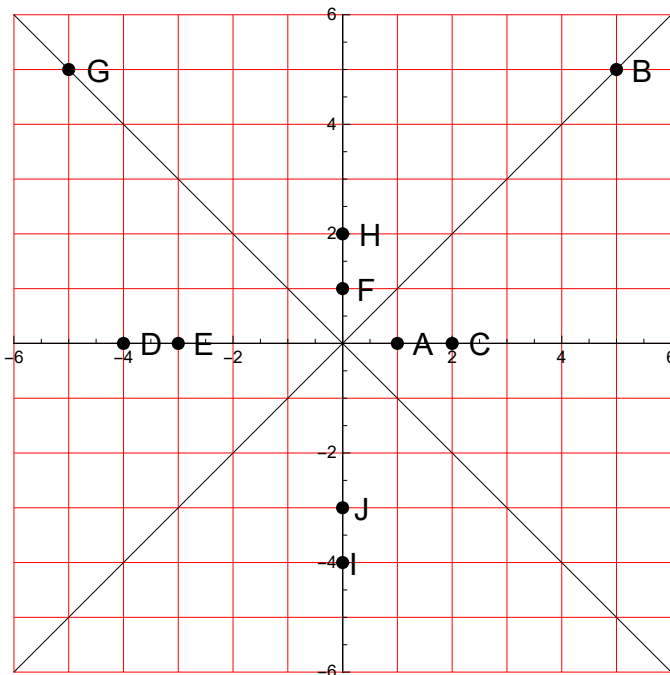


17.



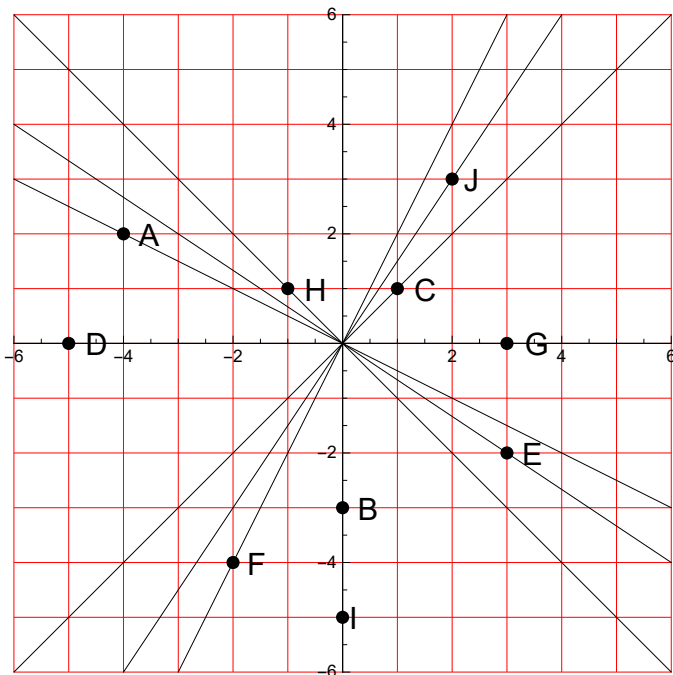
- OA:  $y = -x$
- OB:  $y = x$
- OC:  $y = x$
- OD:  $y = -2x$
- OE:  $y = -\frac{4x}{5}$
- OF:  $y = x$
- OG:  $y = -x$
- OH:  $y = -x$
- OI:  $y = \frac{x}{2}$
- OJ:  $y = \frac{5x}{4}$

18.



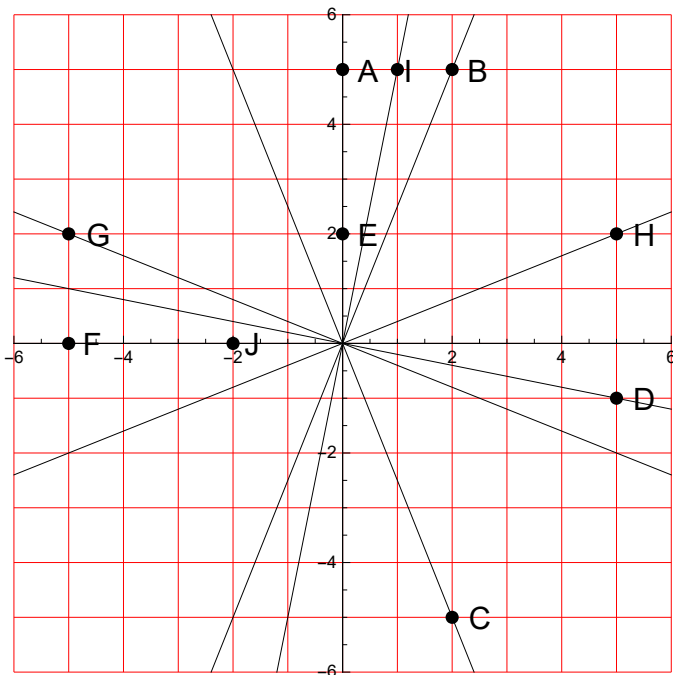
- OA:  $y = 0$
- OB:  $y = x$
- OC:  $y = 0$
- OD:  $y = 0$
- OE:  $y = 0$
- OF:  $x = 0$
- OG:  $y = -x$
- OH:  $x = 0$
- OI:  $x = 0$
- OJ:  $x = 0$

19.



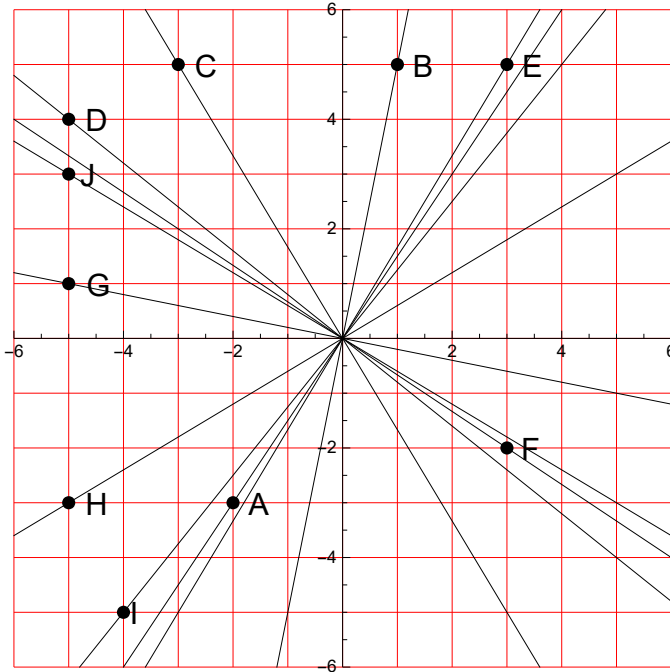
- OA:  $y = -\frac{x}{2}$
- OB:  $x = 0$
- OC:  $y = x$
- OD:  $y = 0$
- OE:  $y = -\frac{2x}{3}$
- OF:  $y = 2x$
- OG:  $y = 0$
- OH:  $y = -x$
- OI:  $x = 0$
- OJ:  $y = \frac{3x}{2}$

20.



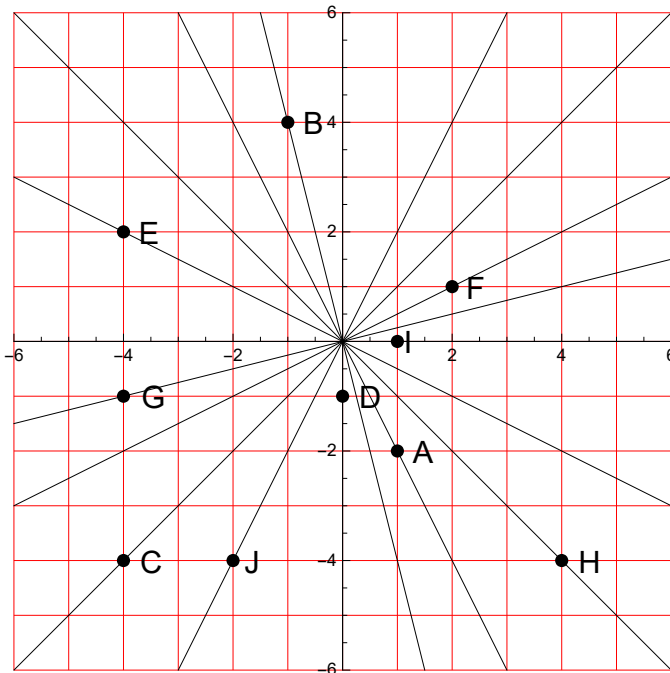
- OA:  $x = 0$
- OB:  $y = \frac{5x}{2}$
- OC:  $y = -\frac{5x}{2}$
- OD:  $y = -\frac{x}{5}$
- OE:  $x = 0$
- OF:  $y = 0$
- OG:  $y = -\frac{2x}{5}$
- OH:  $y = \frac{2x}{5}$
- OI:  $y = 5x$
- OJ:  $y = 0$

21.



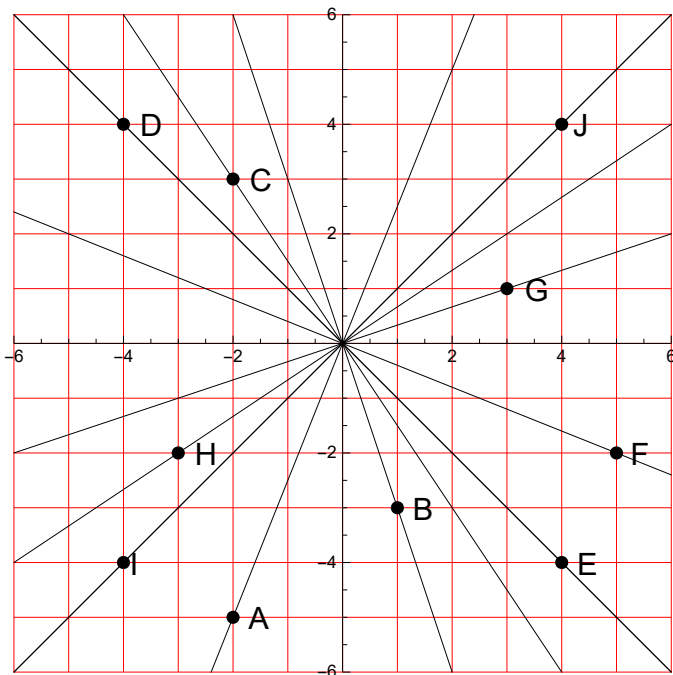
$$\begin{aligned} OA: y &= \frac{3x}{2} \\ OB: y &= 5x \\ OC: y &= -\frac{5x}{3} \\ OD: y &= -\frac{4x}{5} \\ OE: y &= \frac{5x}{3} \\ OF: y &= -\frac{2x}{3} \\ OG: y &= -\frac{x}{5} \\ OH: y &= \frac{3x}{5} \\ OI: y &= \frac{5x}{4} \\ OJ: y &= -\frac{3x}{5} \end{aligned}$$

22.



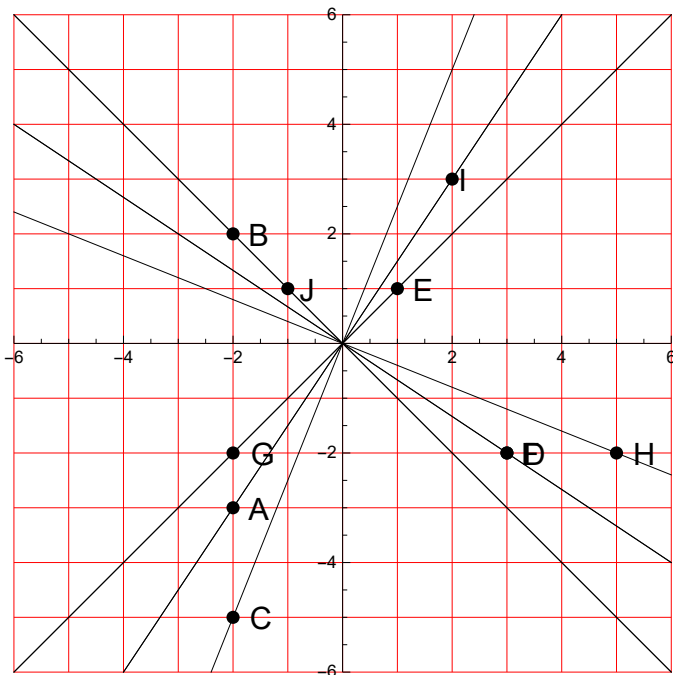
$$\begin{aligned} OA: y &= -2x \\ OB: y &= -4x \\ OC: y &= x \\ OD: x &= 0 \\ OE: y &= -\frac{x}{2} \\ OF: y &= \frac{x}{2} \\ OG: y &= \frac{x}{4} \\ OH: y &= -x \\ OI: y &= 0 \\ OJ: y &= 2x \end{aligned}$$

23.



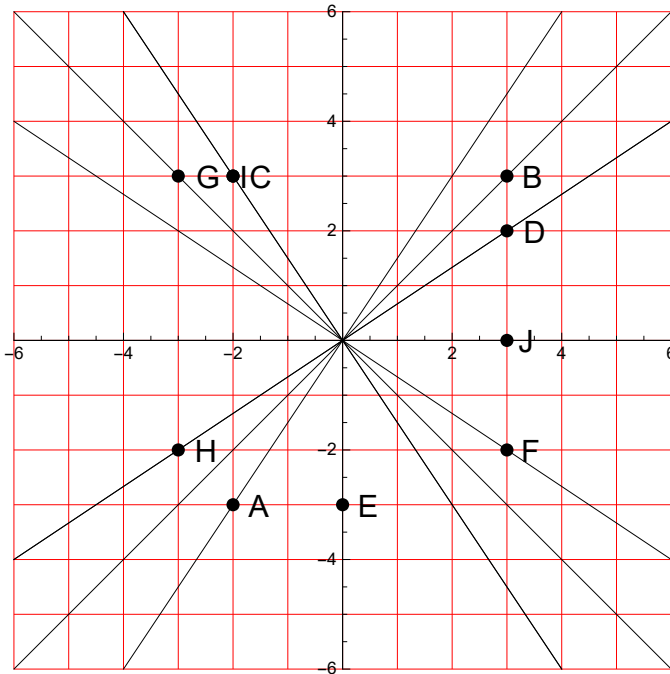
- OA:  $y = \frac{5x}{2}$
- OB:  $y = -3x$
- OC:  $y = -\frac{3x}{2}$
- OD:  $y = -x$
- OE:  $y = -x$
- OF:  $y = -\frac{2x}{5}$
- OG:  $y = \frac{x}{3}$
- OH:  $y = \frac{2x}{3}$
- OI:  $y = x$
- OJ:  $y = x$

24.



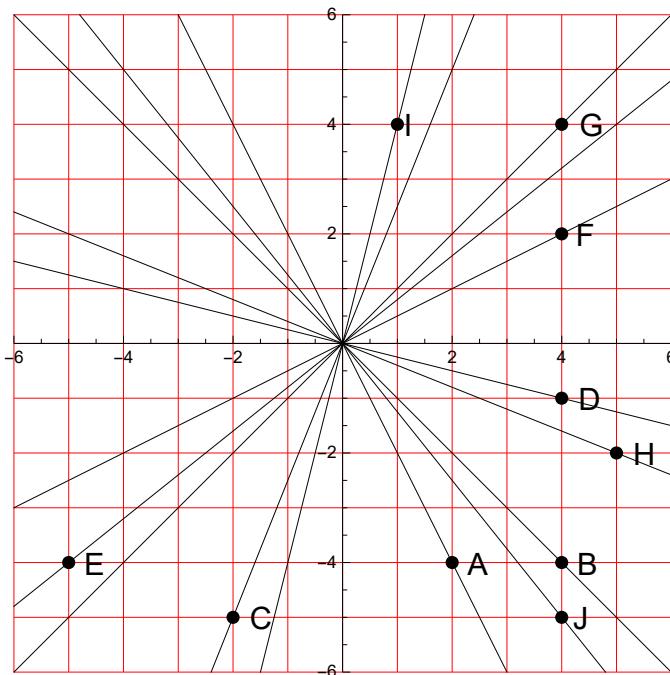
- OA:  $y = \frac{3x}{2}$
- OB:  $y = -x$
- OC:  $y = \frac{5x}{2}$
- OD:  $y = -\frac{2x}{3}$
- OE:  $y = x$
- OF:  $y = -\frac{2x}{3}$
- OG:  $y = x$
- OH:  $y = -\frac{2x}{5}$
- OI:  $y = \frac{3x}{2}$
- OJ:  $y = -x$

25.



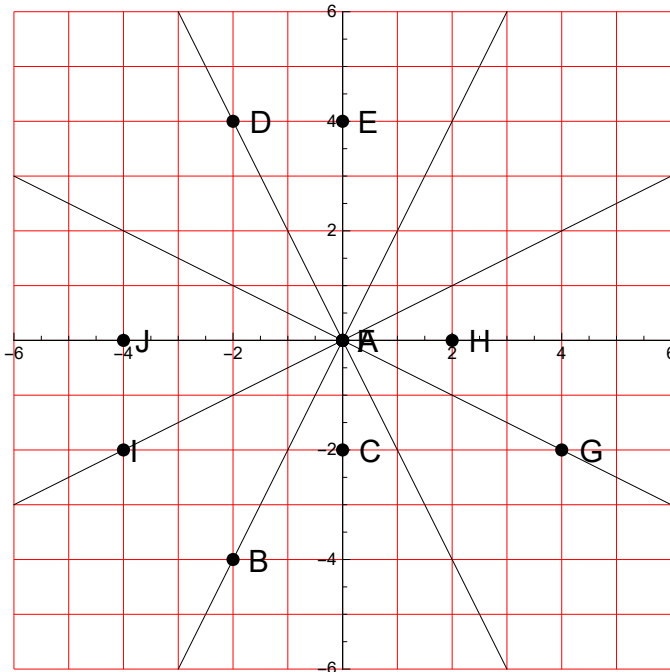
$$\begin{aligned} OA: y &= \frac{3x}{2} \\ OB: y &= x \\ OC: y &= -\frac{3x}{2} \\ OD: y &= \frac{2x}{3} \\ OE: x &= 0 \\ OF: y &= -\frac{2x}{3} \\ OG: y &= -x \\ OH: y &= \frac{2x}{3} \\ OI: y &= -\frac{3x}{2} \\ OJ: y &= 0 \end{aligned}$$

26.



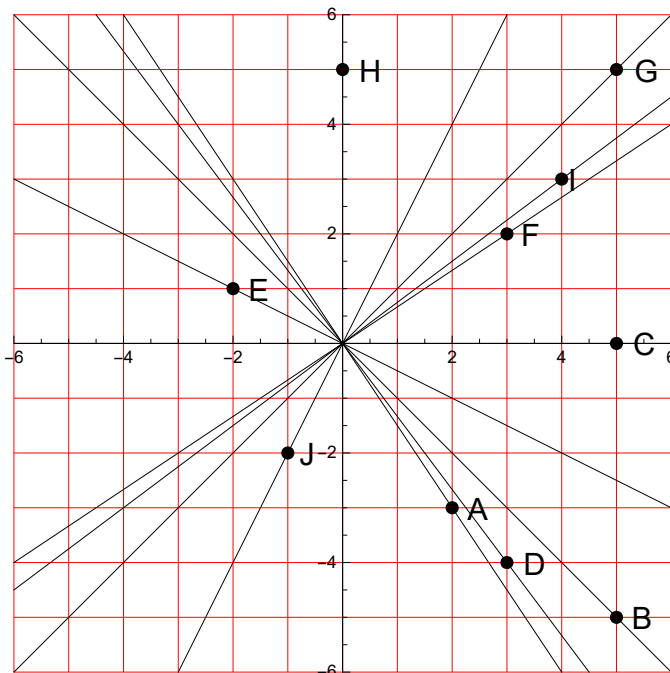
$$\begin{aligned} OA: y &= -2x \\ OB: y &= -x \\ OC: y &= \frac{5x}{2} \\ OD: y &= -\frac{x}{4} \\ OE: y &= \frac{4x}{5} \\ OF: y &= \frac{x}{2} \\ OG: y &= x \\ OH: y &= -\frac{2x}{5} \\ OI: y &= 4x \\ OJ: y &= -\frac{5x}{4} \end{aligned}$$

27.



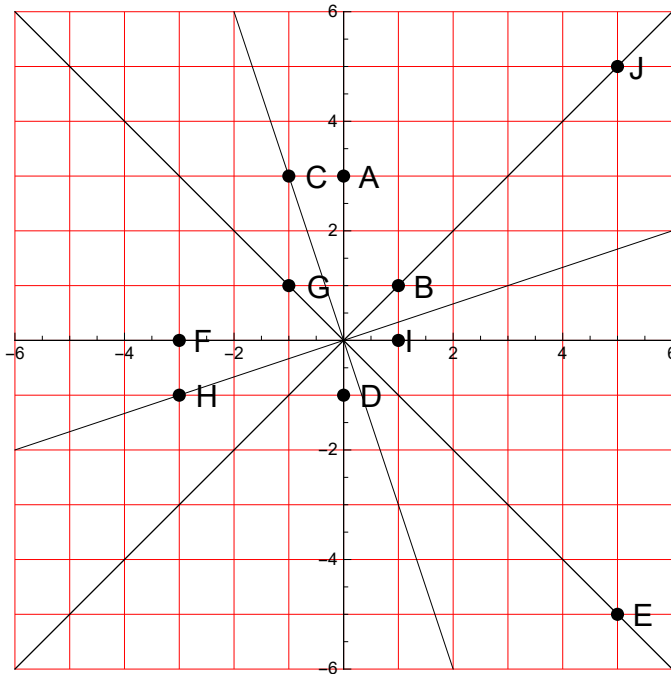
- OA:  $x = 0$
- OB:  $y = 2x$
- OC:  $x = 0$
- OD:  $y = -2x$
- OE:  $x = 0$
- OF:  $x = 0$
- OG:  $y = -\frac{x}{2}$
- OH:  $y = 0$
- OI:  $y = \frac{x}{2}$
- OJ:  $y = 0$

28.



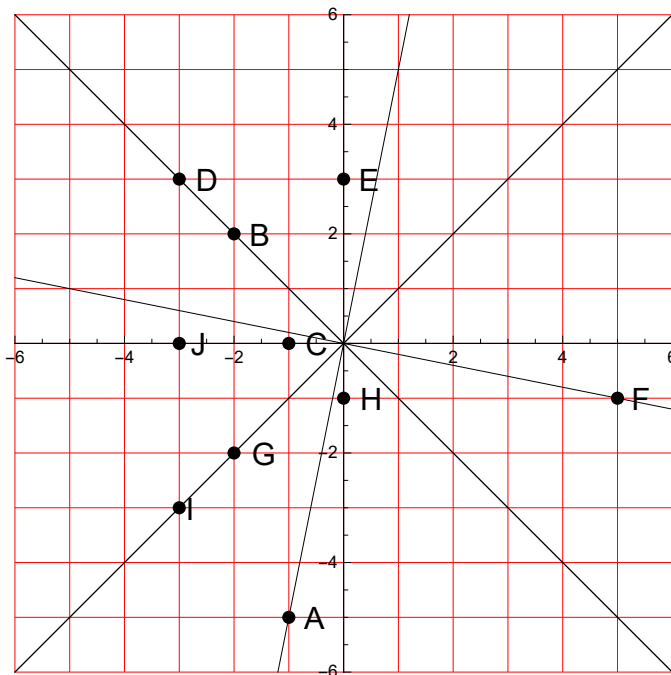
- OA:  $y = -\frac{3x}{2}$
- OB:  $y = -x$
- OC:  $y = 0$
- OD:  $y = -\frac{4x}{3}$
- OE:  $y = -\frac{x}{2}$
- OF:  $y = \frac{2x}{3}$
- OG:  $y = x$
- OH:  $x = 0$
- OI:  $y = \frac{3x}{4}$
- OJ:  $y = 2x$

29.



- OA:  $x = 0$
- OB:  $y = x$
- OC:  $y = -3x$
- OD:  $x = 0$
- OE:  $y = -x$
- OF:  $y = 0$
- OG:  $y = -x$
- OH:  $y = \frac{x}{3}$
- OI:  $y = 0$
- OJ:  $y = x$

30.



- OA:  $y = 5x$
- OB:  $y = -x$
- OC:  $y = 0$
- OD:  $y = -x$
- OE:  $x = 0$
- OF:  $y = -\frac{x}{5}$
- OG:  $y = x$
- OH:  $x = 0$
- OI:  $y = x$
- OJ:  $y = 0$