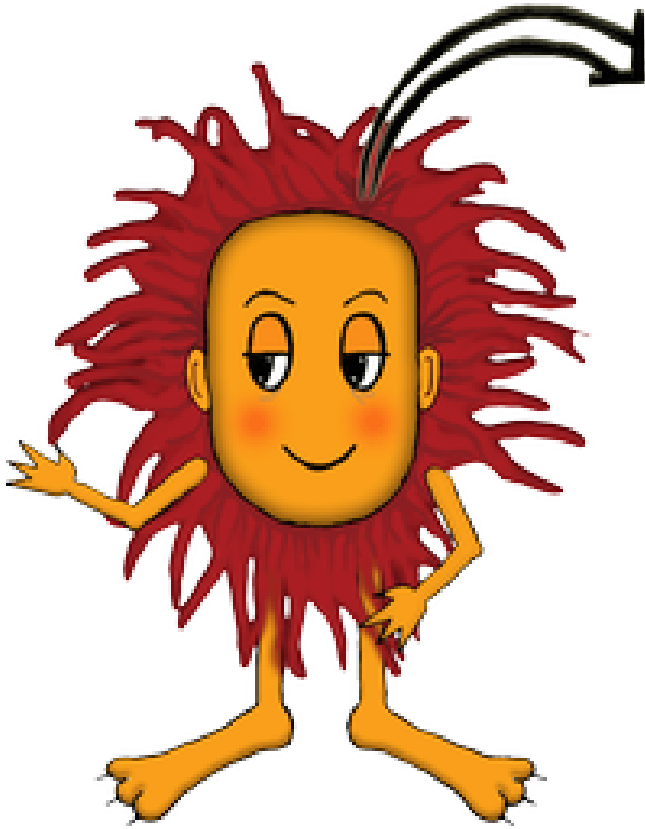


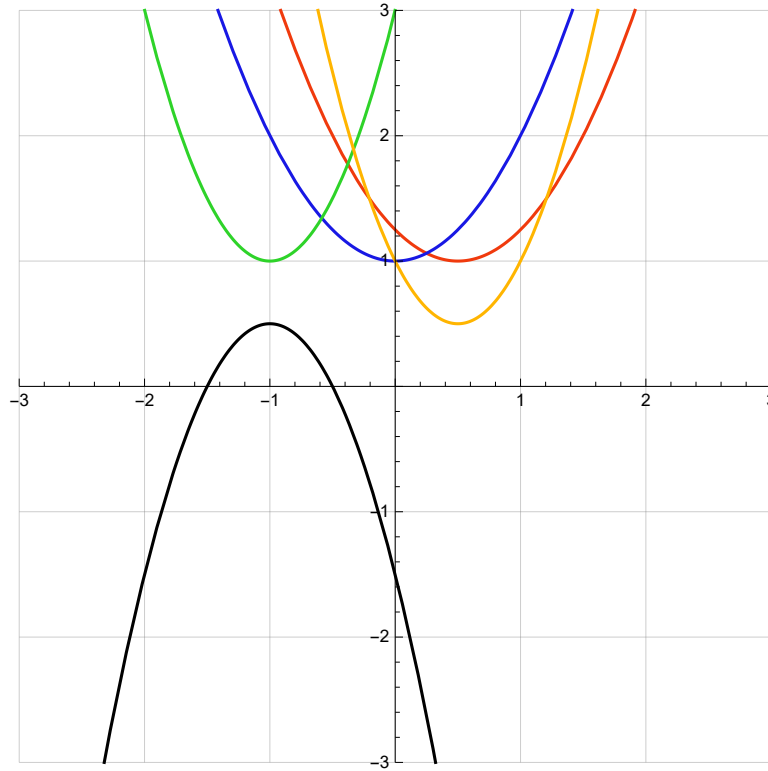
Velika logična pošast



Parabolična funkcija

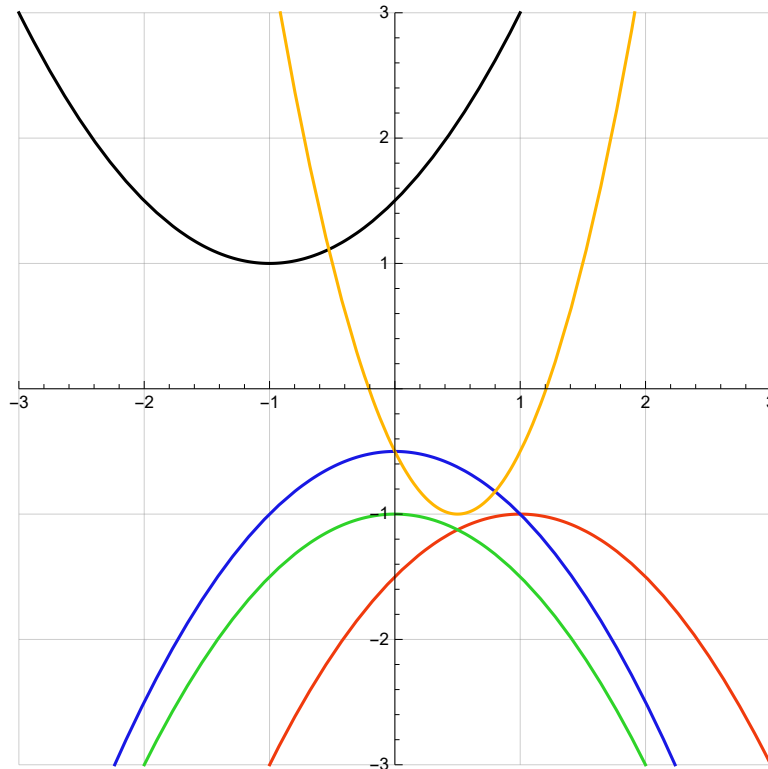
Za vsako parabolično funkcijo  
poišči barvo njenega grafa.

1.



- $0.5 - 2(x+1)^2$
- $2(x+1)^2 + 1$
- $2(x-0.5)^2 + 0.5$
- $x^2 + 1$
- $(x-0.5)^2 + 1$

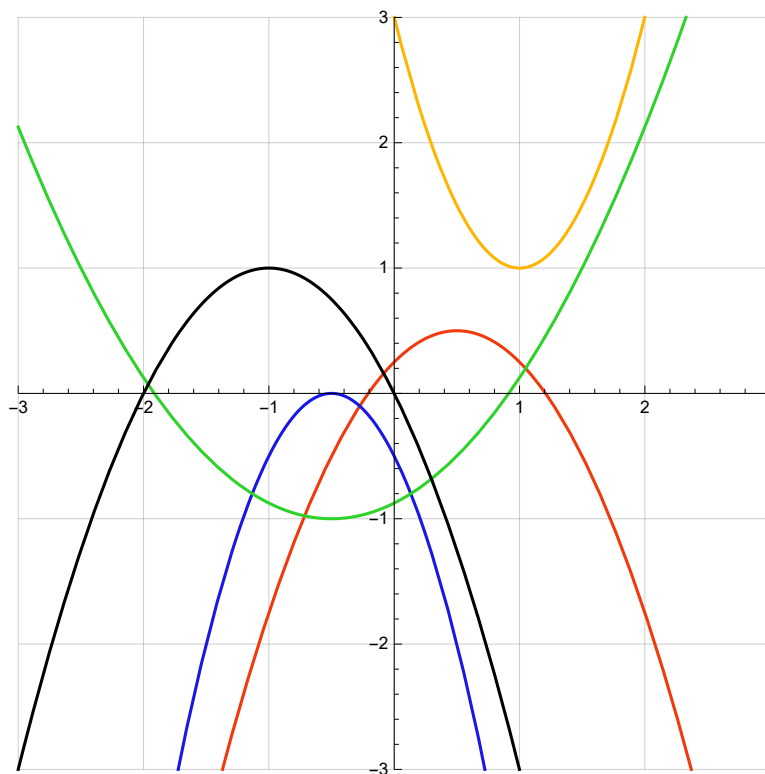
2.



- $-0.5x^2 - 1$
- $-0.5(x-1)^2 - 1$
- $-0.5x^2 - 0.5$
- $0.5(x+1)^2 + 1$
- $2(x-0.5)^2 - 1$

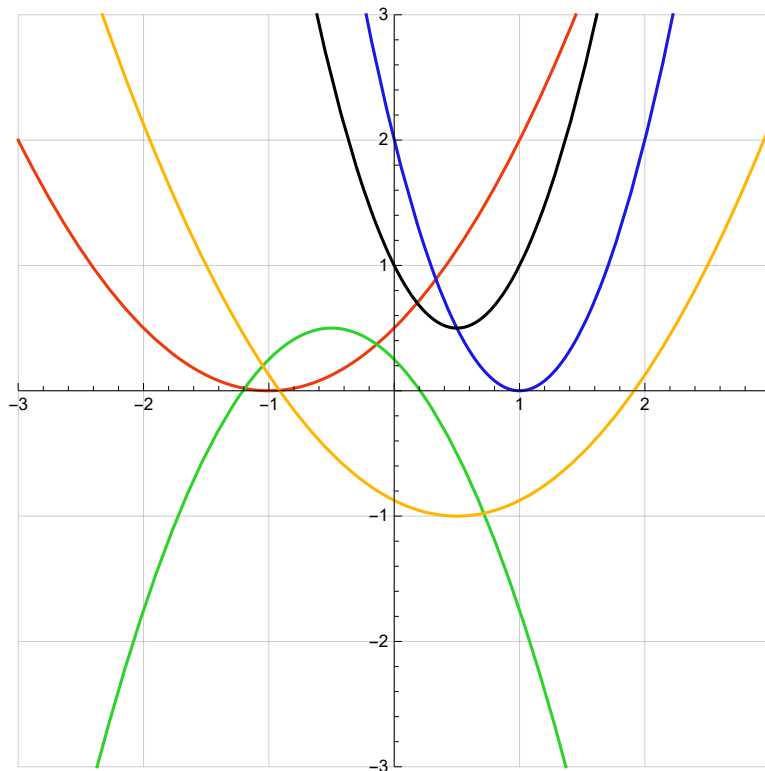
3.

- $2(x-1)^2 + 1$
- $0.5 - (x-0.5)^2$
- $0.5(x+0.5)^2 - 1$
- $-2(x+0.5)^2$
- $1 - (x+1)^2$

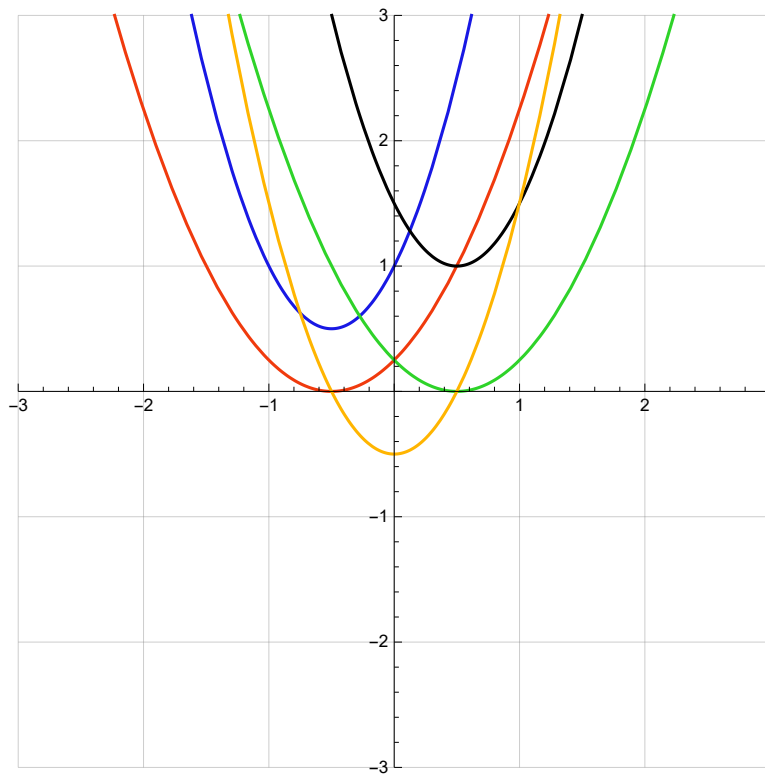


4.

- $0.5(x-0.5)^2 - 1$
- $0.5 - (x+0.5)^2$
- $2(x-1)^2$
- $2(x-0.5)^2 + 0.5$
- $0.5(x+1)^2$

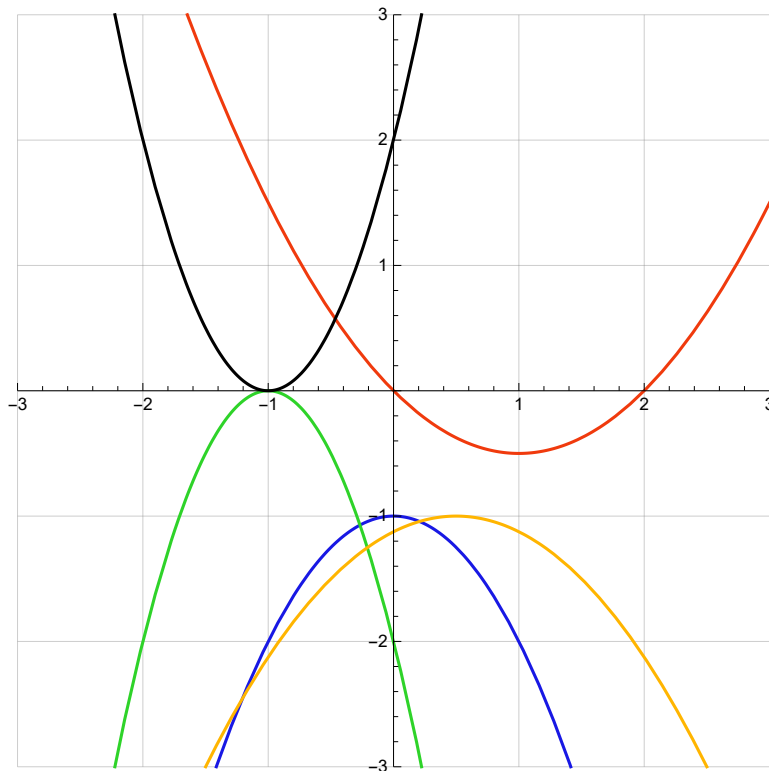


5.



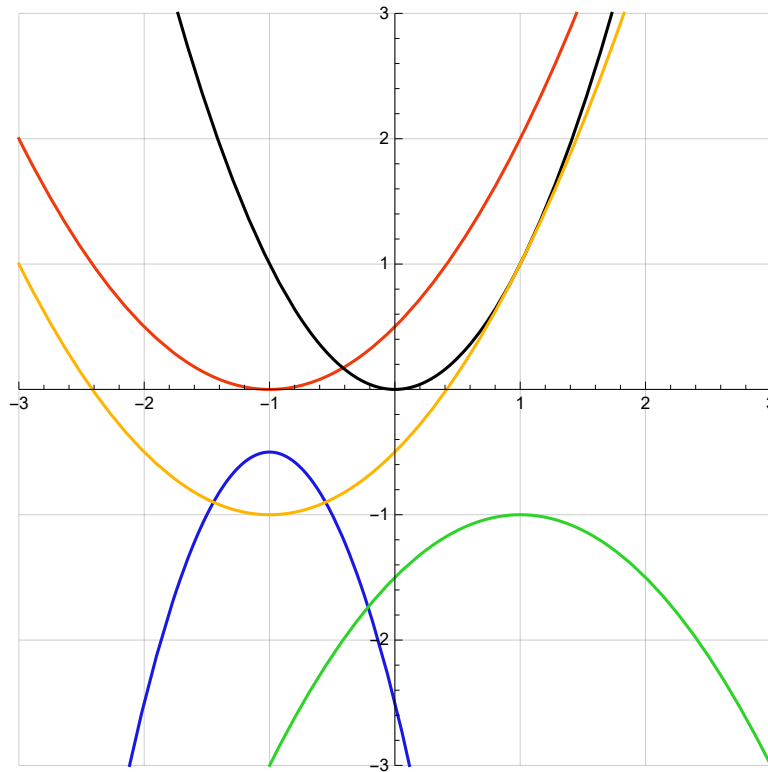
- $2(x-0.5)^2 + 1$
- $2(x+0.5)^2 + 0.5$
- $(x-0.5)^2$
- $2x^2 - 0.5$
- $(x+0.5)^2$

6.



- $2(x+1)^2$
- $0.5(x-1)^2 - 0.5$
- $-x^2 - 1$
- $-2(x+1)^2$
- $-0.5(x-0.5)^2 - 1$

7.



- $x^2$
- $-2(x+1)^2 - 0.5$
- $-0.5(x-1)^2 - 1$
- $0.5(x+1)^2$
- $0.5(x+1)^2 - 1$

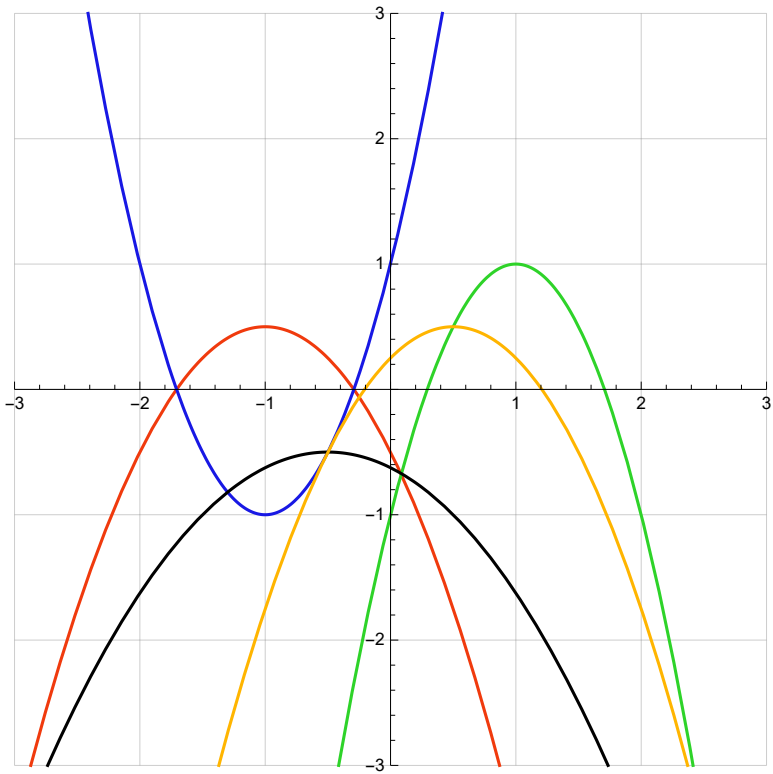
8.



- $0.5 - (x - 0.5)^2$
- $-0.5x^2 - 1$
- $-(x + 0.5)^2 - 1$
- $2(x - 0.5)^2 + 1$
- $0.5 - 2(x + 0.5)^2$

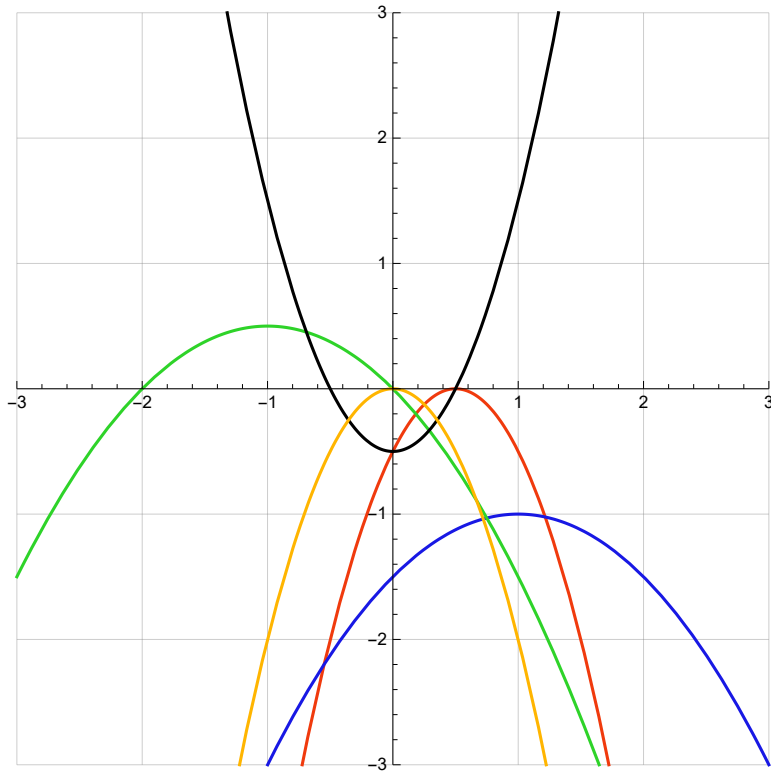
9.

- $0.5 - (x + 1)^2$
- $0.5 - (x - 0.5)^2$
- $-0.5(x + 0.5)^2 - 0.5$
- $2(x + 1)^2 - 1$
- $1 - 2(x - 1)^2$



10.

- $0.5 - 0.5(x + 1)^2$
- $-0.5(x - 1)^2 - 1$
- $-2x^2$
- $-2(x - 0.5)^2$
- $2x^2 - 0.5$



11.

- $0.5 - 2x^2$
- $0.5x^2 + 1$
- $0.5 - 0.5(x+1)^2$
- $(x+0.5)^2 + 0.5$
- $(x-0.5)^2 - 0.5$



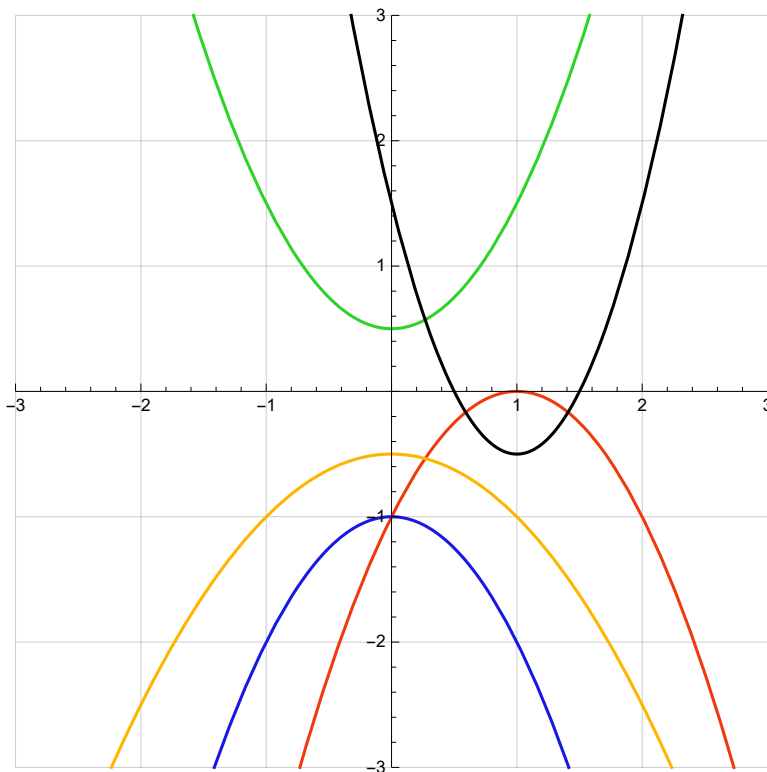
12.

- $2x^2 + 0.5$
- $(x+0.5)^2$
- $1 - 2(x+1)^2$
- $2(x-0.5)^2 + 0.5$
- $1 - 0.5(x-1)^2$



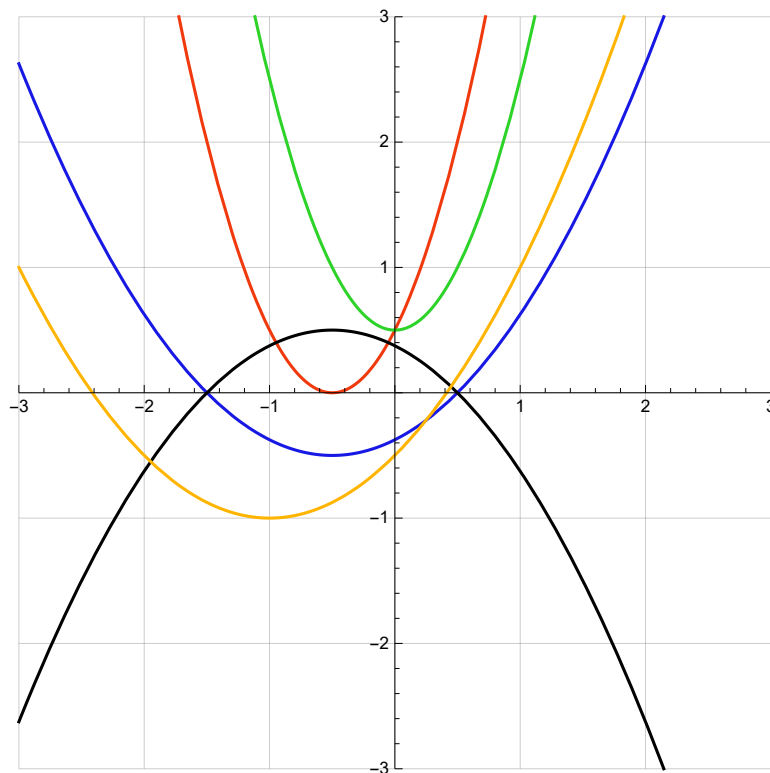
13.

- $-x^2 - 1$
- $x^2 + 0.5$
- $-0.5x^2 - 0.5$
- $2(x-1)^2 - 0.5$
- $-(x-1)^2$



14.

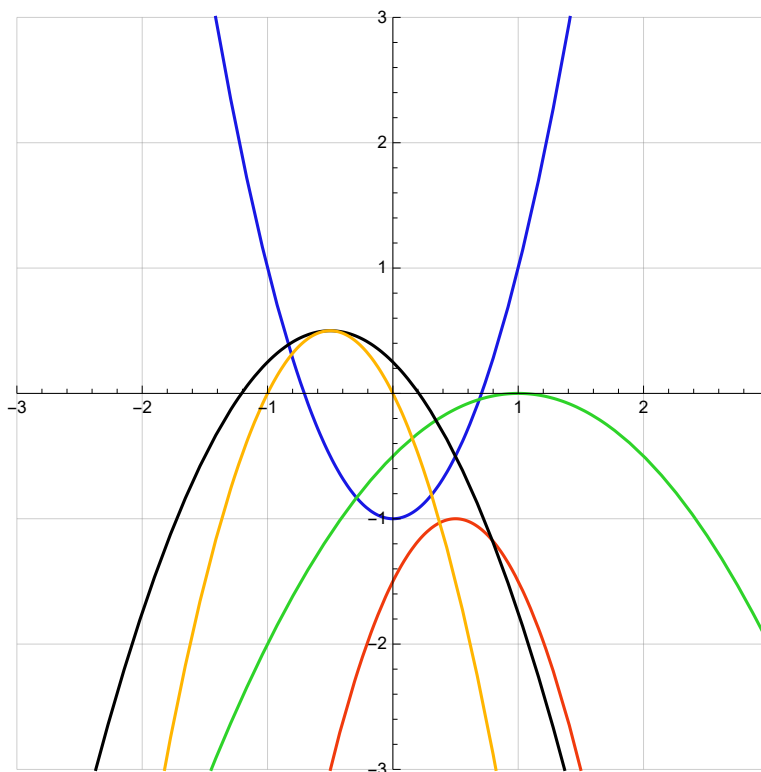
- $0.5 - 0.5(x+0.5)^2$
- $2(x+0.5)^2$
- $2x^2 + 0.5$
- $0.5(x+1)^2 - 1$
- $0.5(x+0.5)^2 - 0.5$





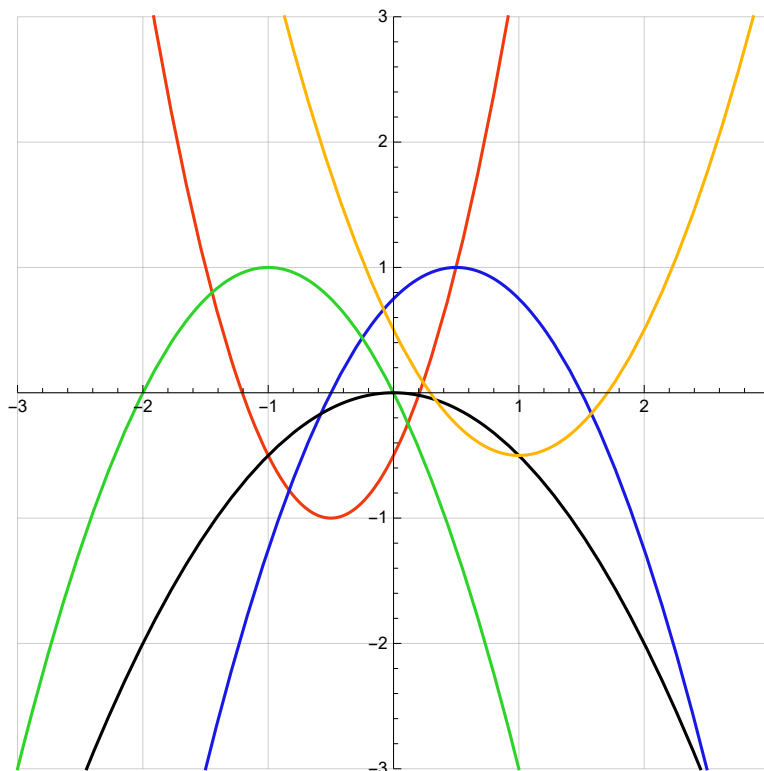
15.

- $-2(x-0.5)^2 - 1$    
 $-0.5(x-1)^2$    
 $2x^2 - 1$    
 $0.5 - (x+0.5)^2$    
 $0.5 - 2(x+0.5)^2$



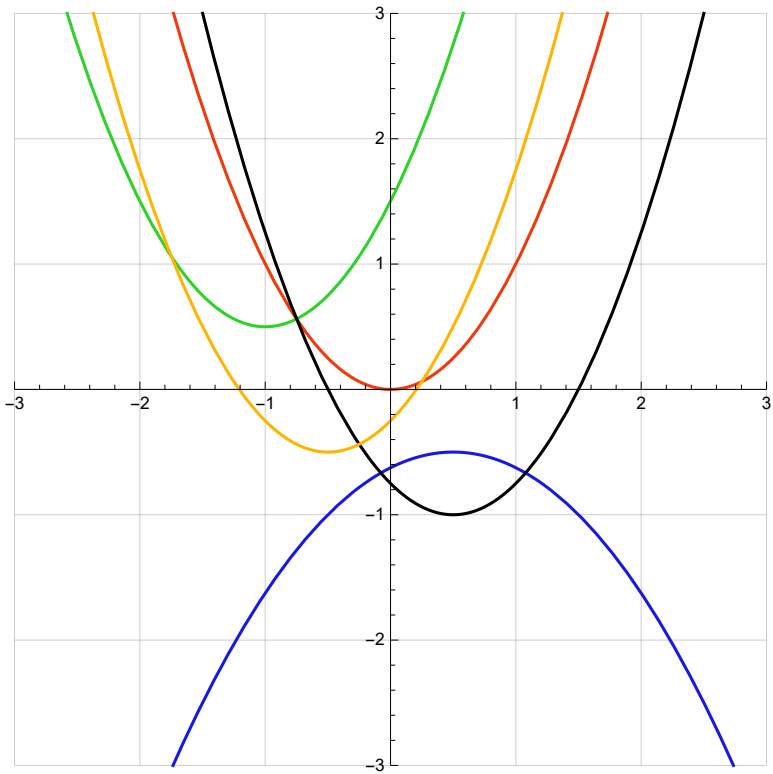
16.

- $1 - (x+1)^2$    
 $1 - (x-0.5)^2$    
 $2(x+0.5)^2 - 1$    
 $-0.5x^2$    
 $(x-1)^2 - 0.5$



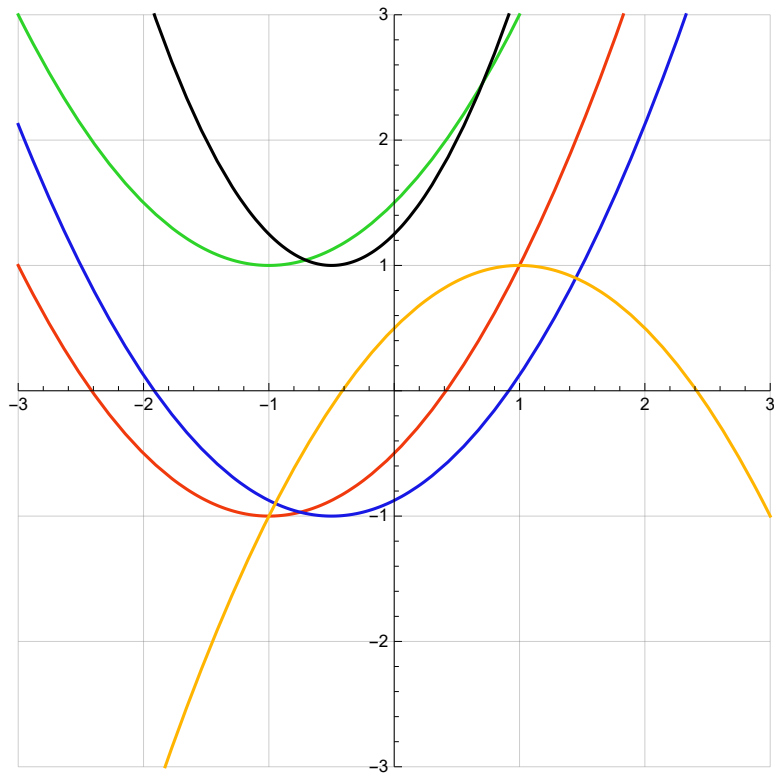
17.

- $(x - 0.5)^2 - 1$
- $(x + 1)^2 + 0.5$
- $x^2$
- $-0.5(x - 0.5)^2 - 0.5$
- $(x + 0.5)^2 - 0.5$

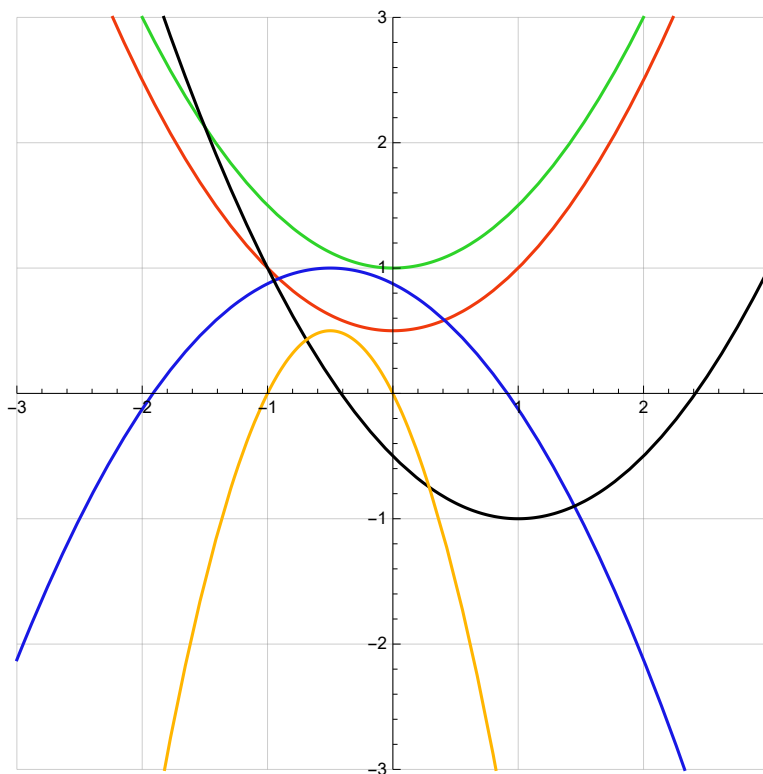


18.

- $0.5(x + 1)^2 + 1$
- $0.5(x + 0.5)^2 - 1$
- $(x + 0.5)^2 + 1$
- $1 - 0.5(x - 1)^2$
- $0.5(x + 1)^2 - 1$

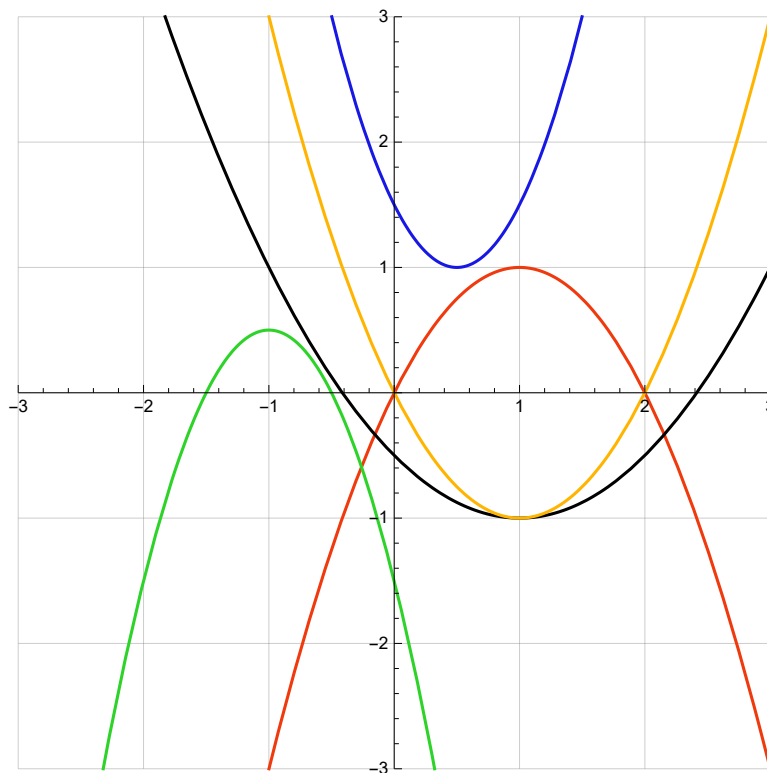


19.



- $0.5x^2 + 1$    
 $0.5 - 2(x + 0.5)^2$    
 $0.5x^2 + 0.5$    
 $1 - 0.5(x + 0.5)^2$    
 $0.5(x - 1)^2 - 1$

20.

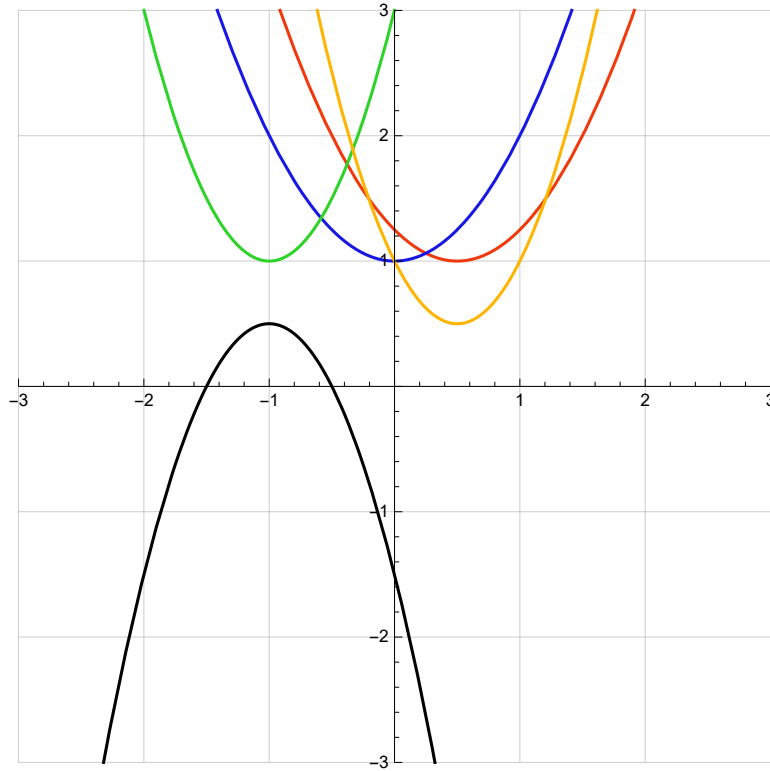


- $2(x - 0.5)^2 + 1$    
 $0.5(x - 1)^2 - 1$    
 $1 - (x - 1)^2$    
 $(x - 1)^2 - 1$    
 $0.5 - 2(x + 1)^2$

Rešitve:

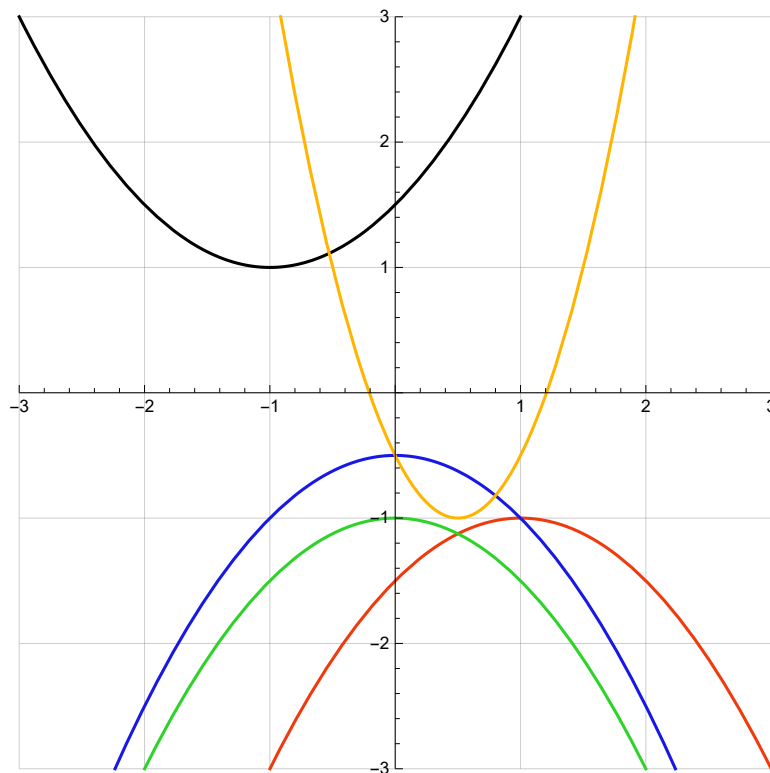
1.

- $0.5 - 2(x+1)^2$
- $2(x+1)^2 + 1$
- $2(x-0.5)^2 + 0.5$
- $x^2 + 1$
- $(x-0.5)^2 + 1$



2.

- $-0.5x^2 - 1$
- $-0.5(x-1)^2 - 1$
- $-0.5x^2 - 0.5$
- $0.5(x+1)^2 + 1$
- $2(x-0.5)^2 - 1$



3.

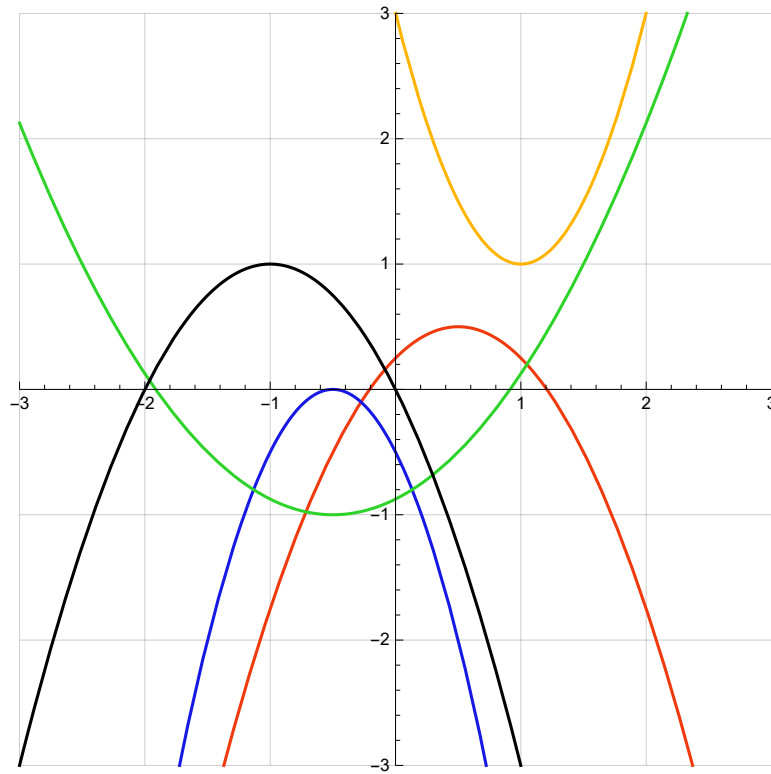
$$2(x-1)^2 + 1$$

$$0.5 - (x-0.5)^2$$

$$0.5(x+0.5)^2 - 1$$

$$-2(x+0.5)^2$$

$$1 - (x+1)^2$$



4.

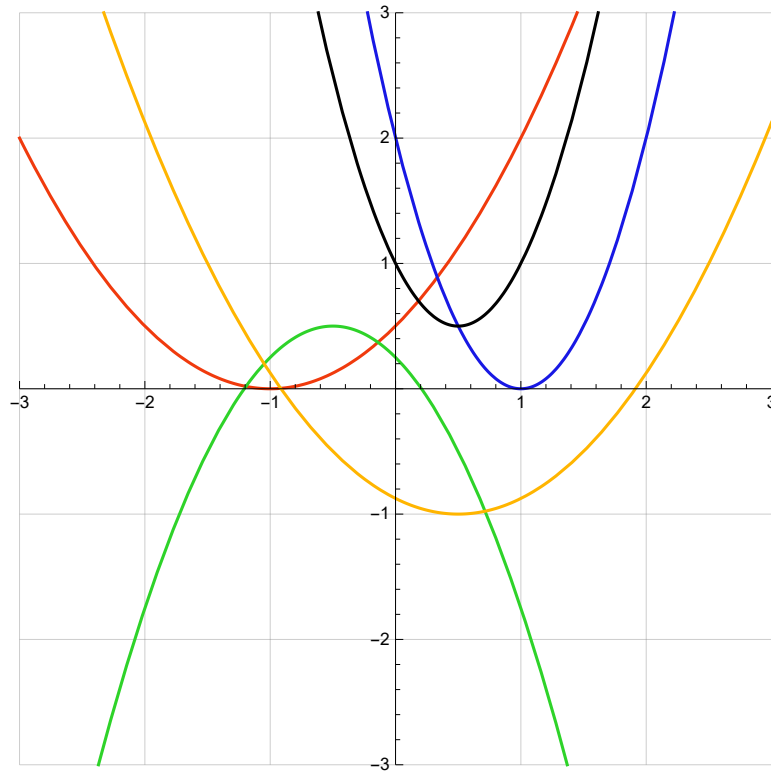
$$0.5(x-0.5)^2 - 1$$

$$0.5 - (x+0.5)^2$$

$$2(x-1)^2$$

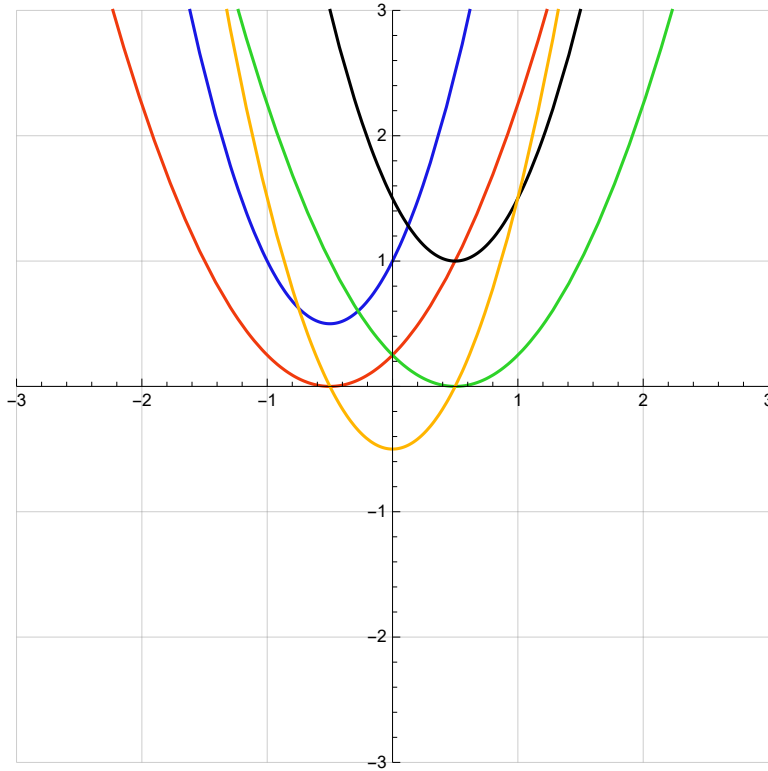
$$2(x-0.5)^2 + 0.5$$

$$0.5(x+1)^2$$



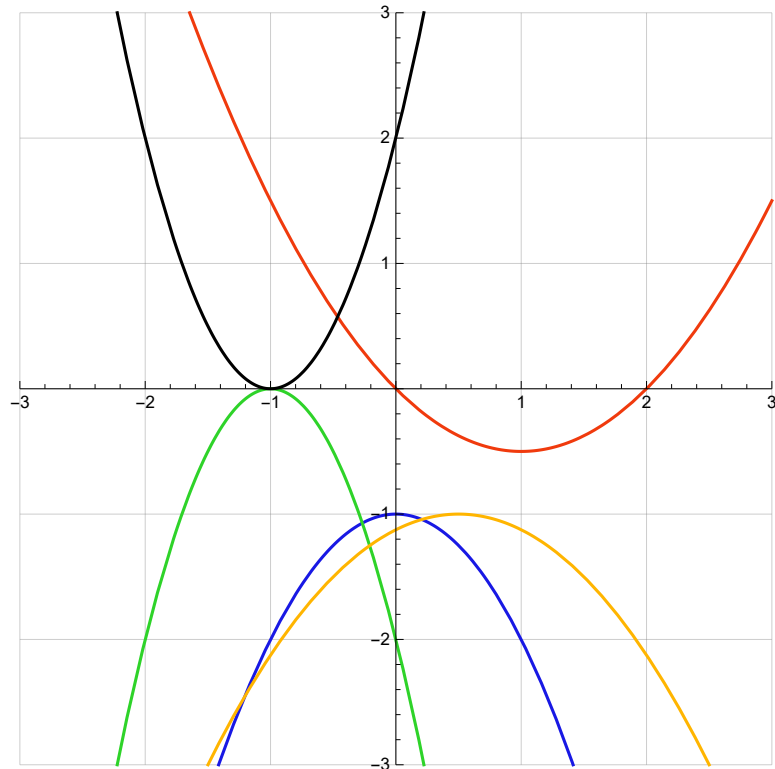
5.

- $2(x-0.5)^2 + 1$
- $2(x+0.5)^2 + 0.5$
- $(x-0.5)^2$
- $2x^2 - 0.5$
- $(x+0.5)^2$



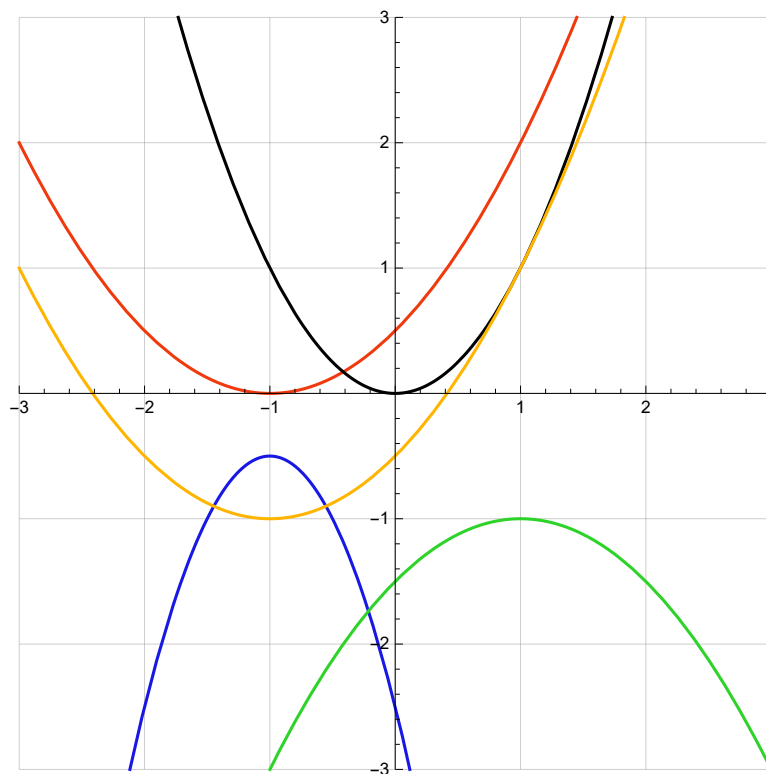
6.

- $2(x+1)^2$
- $0.5(x-1)^2 - 0.5$
- $-x^2 - 1$
- $-2(x+1)^2$
- $-0.5(x-0.5)^2 - 1$



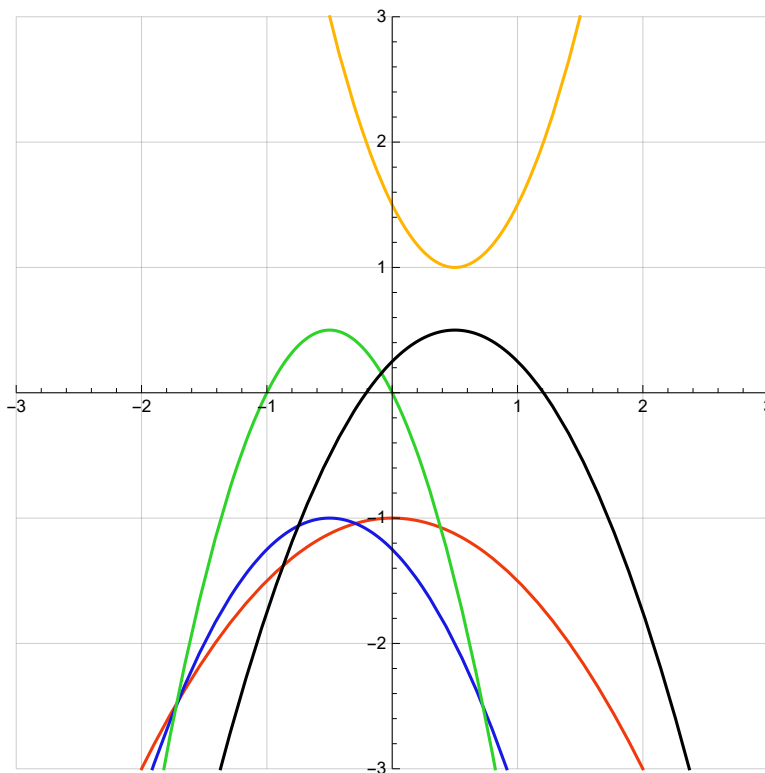
7.

$x^2$	■
$-2(x+1)^2 - 0.5$	■
$-0.5(x-1)^2 - 1$	■
$0.5(x+1)^2$	■
$0.5(x+1)^2 - 1$	■



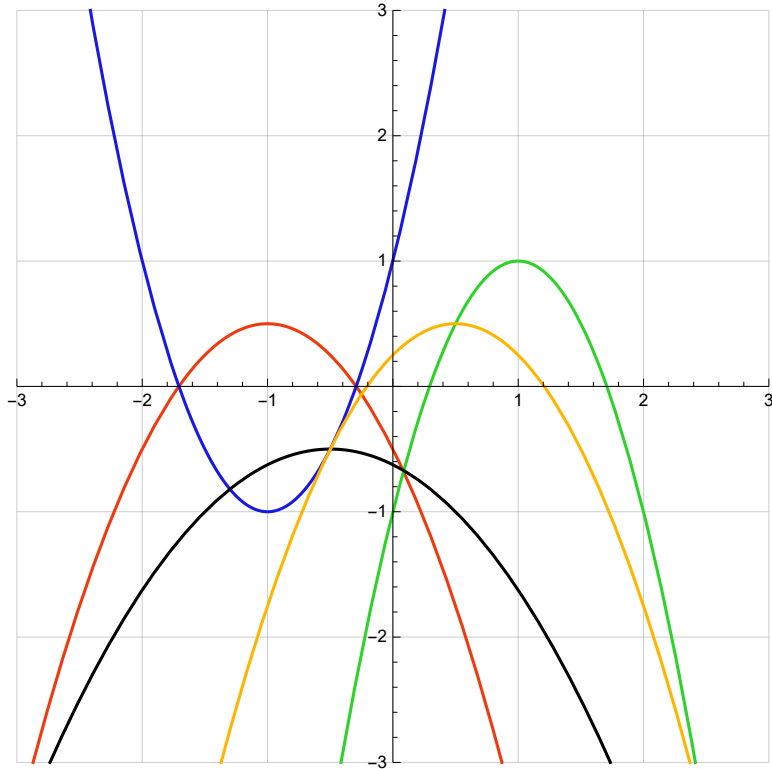
8.

$0.5 - (x-0.5)^2$	■
$-0.5x^2 - 1$	■
$-(x+0.5)^2 - 1$	■
$2(x-0.5)^2 + 1$	■
$0.5 - 2(x+0.5)^2$	■



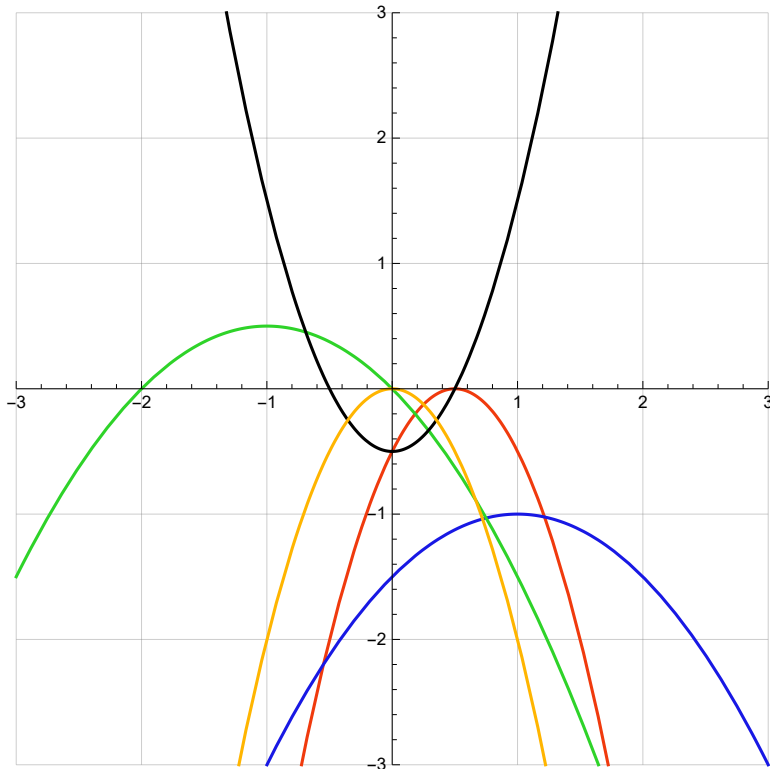
9.

- $0.5 - (x + 1)^2$  ■
- $0.5 - (x - 0.5)^2$  ■
- $-0.5(x + 0.5)^2 - 0.5$  ■
- $2(x + 1)^2 - 1$  ■
- $1 - 2(x - 1)^2$  ■



10.

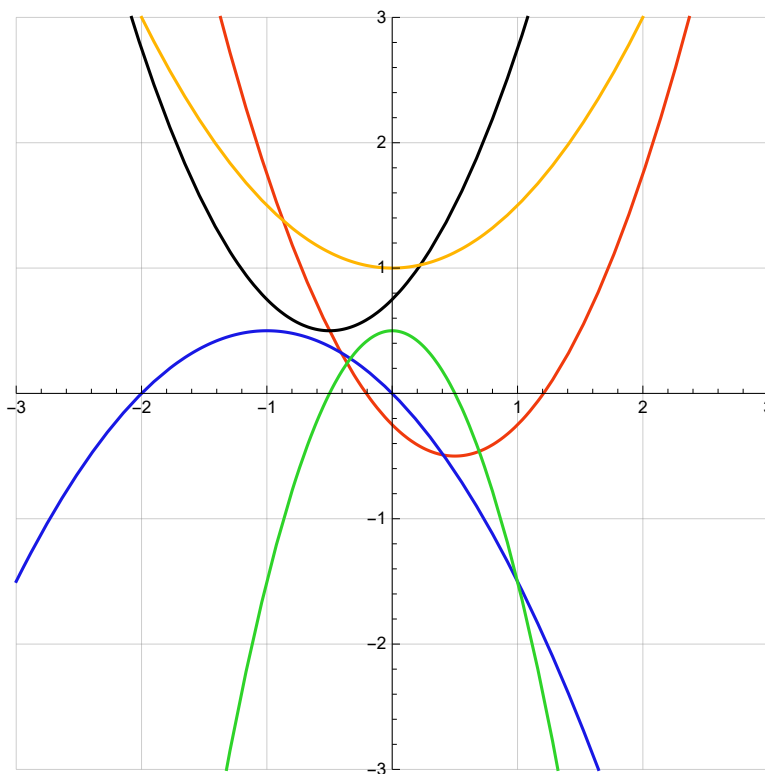
- $0.5 - 0.5(x + 1)^2$  ■
- $-0.5(x - 1)^2 - 1$  ■
- $-2x^2$  ■
- $-2(x - 0.5)^2$  ■
- $2x^2 - 0.5$  ■





11.

$0.5 - 2x^2$	<span style="color: green;">■</span>
$0.5x^2 + 1$	<span style="color: orange;">■</span>
$0.5 - 0.5(x+1)^2$	<span style="color: blue;">■</span>
$(x+0.5)^2 + 0.5$	<span style="color: black;">■</span>
$(x-0.5)^2 - 0.5$	<span style="color: red;">■</span>



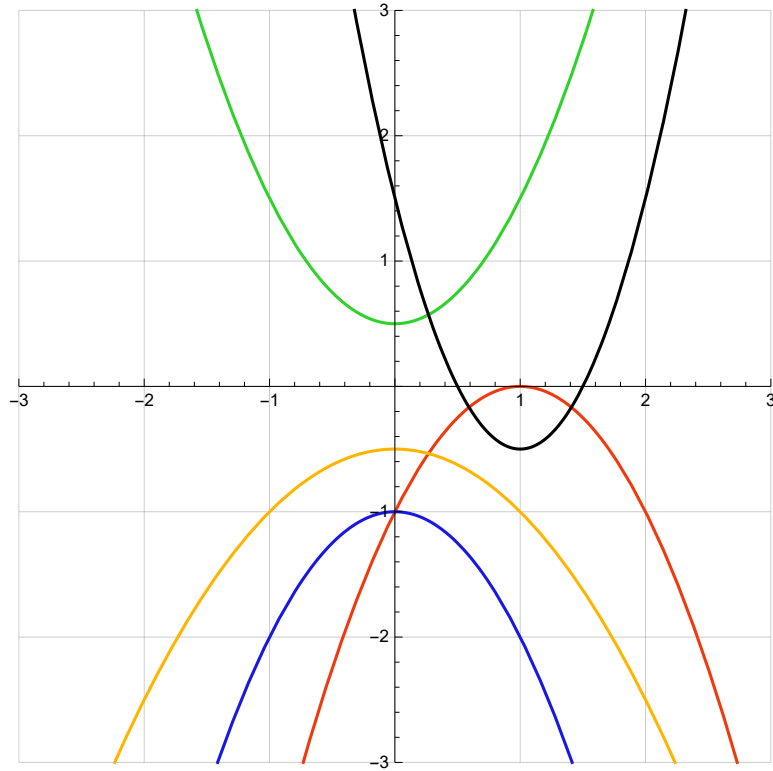
12.

$2x^2 + 0.5$	<span style="color: blue;">■</span>
$(x+0.5)^2$	<span style="color: black;">■</span>
$1 - 2(x+1)^2$	<span style="color: orange;">■</span>
$2(x-0.5)^2 + 0.5$	<span style="color: green;">■</span>
$1 - 0.5(x-1)^2$	<span style="color: red;">■</span>



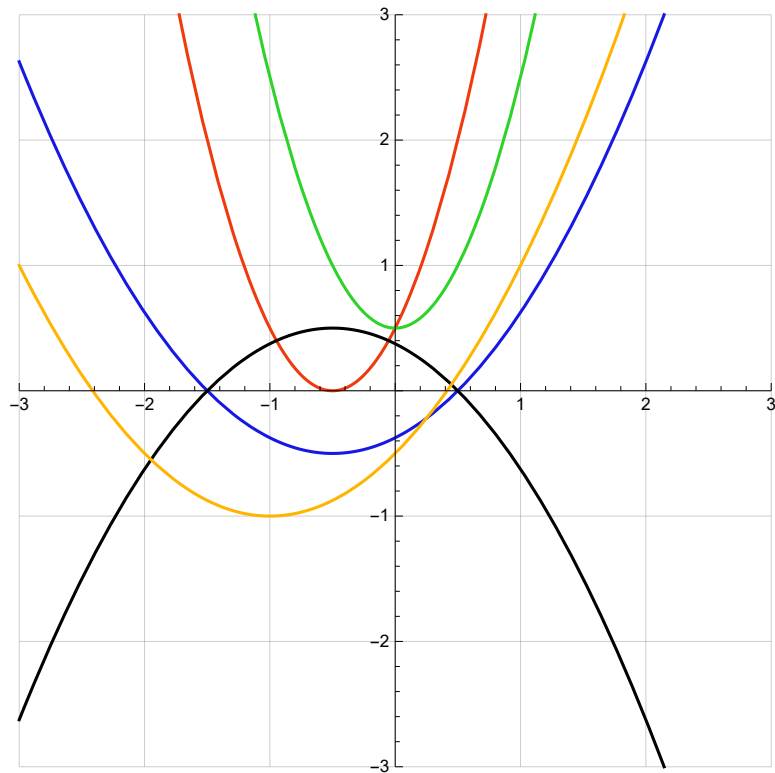
13.

- $-x^2 - 1$  ■
- $x^2 + 0.5$  ■
- $-0.5x^2 - 0.5$  ■
- $2(x-1)^2 - 0.5$  ■
- $-(x-1)^2$  ■



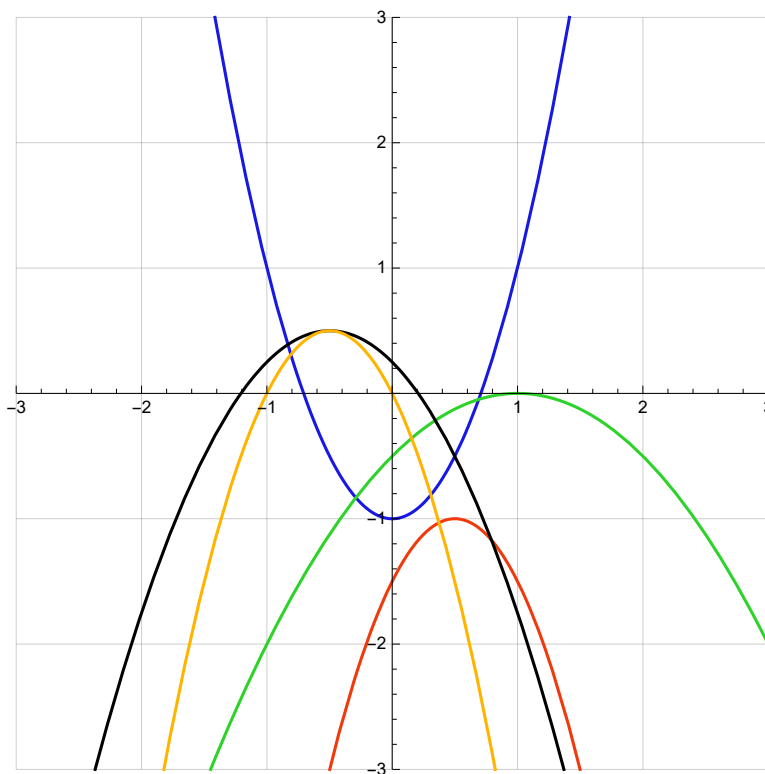
14.

- $0.5 - 0.5(x+0.5)^2$  ■
- $2(x+0.5)^2$  ■
- $2x^2 + 0.5$  ■
- $0.5(x+1)^2 - 1$  ■
- $0.5(x+0.5)^2 - 0.5$  ■



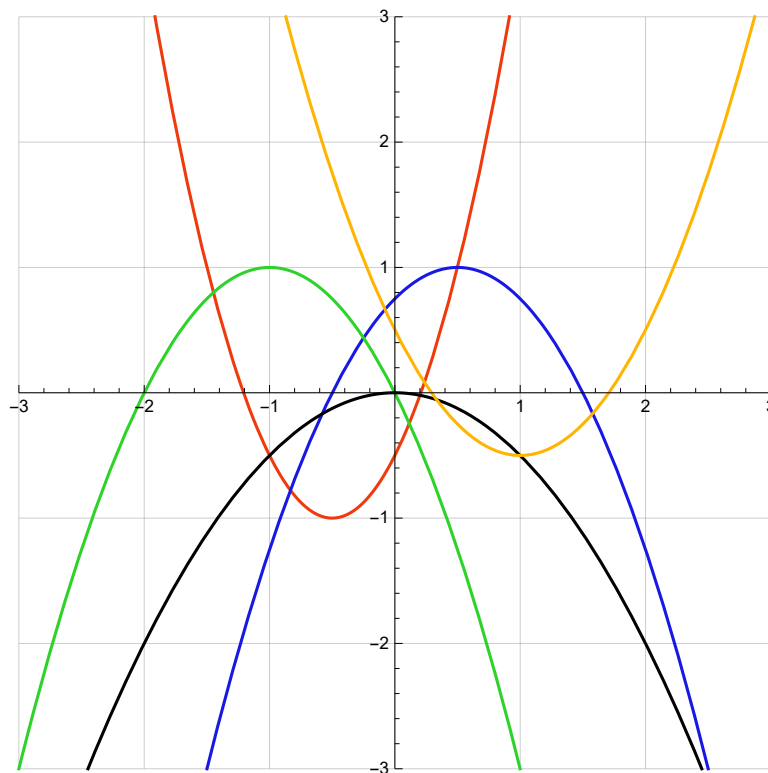
15.

$$\begin{array}{ll}
 -2(x-0.5)^2 - 1 & \color{red}{\blacksquare} \\
 -0.5(x-1)^2 & \color{green}{\blacksquare} \\
 2x^2 - 1 & \color{blue}{\blacksquare} \\
 0.5 - (x+0.5)^2 & \color{black}{\blacksquare} \\
 0.5 - 2(x+0.5)^2 & \color{orange}{\blacksquare}
 \end{array}$$



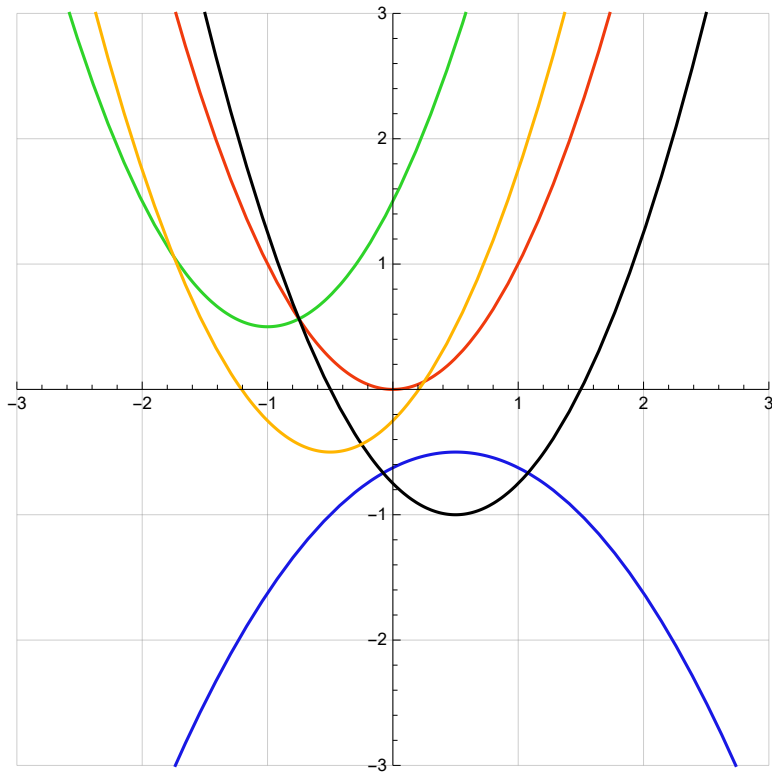
16.

$$\begin{array}{ll}
 1 - (x+1)^2 & \color{green}{\blacksquare} \\
 1 - (x-0.5)^2 & \color{blue}{\blacksquare} \\
 2(x+0.5)^2 - 1 & \color{red}{\blacksquare} \\
 -0.5x^2 & \color{black}{\blacksquare} \\
 (x-1)^2 - 0.5 & \color{orange}{\blacksquare}
 \end{array}$$



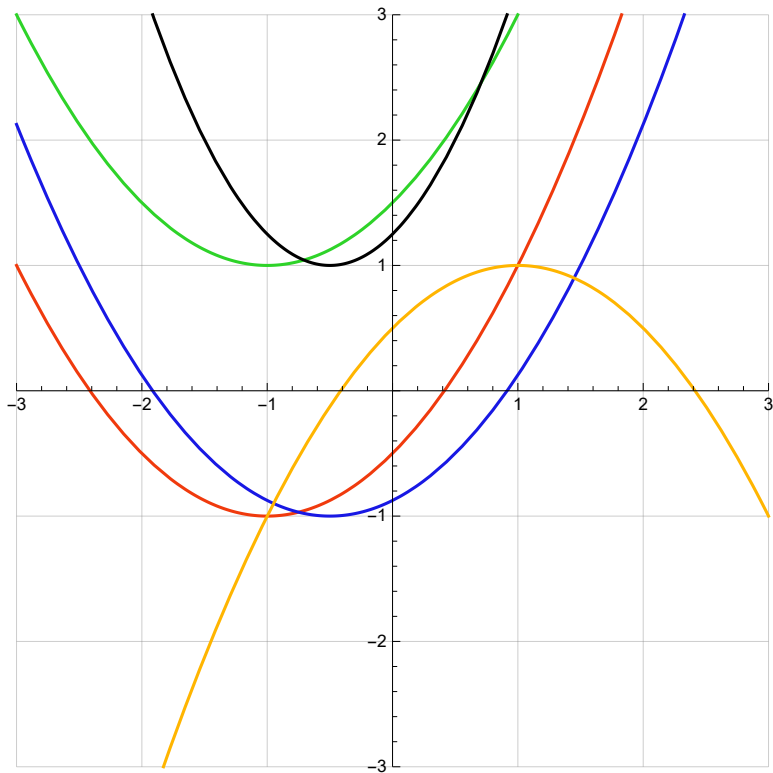
17.

- $(x - 0.5)^2 - 1$
- $(x + 1)^2 + 0.5$
- $x^2$
- $-0.5(x - 0.5)^2 - 0.5$
- $(x + 0.5)^2 - 0.5$



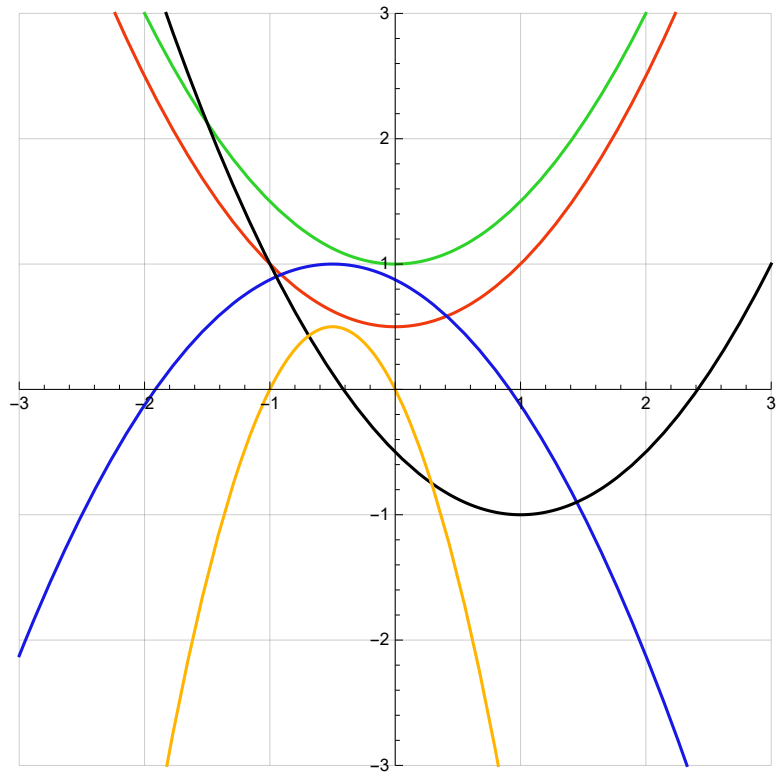
18.

- $0.5(x + 1)^2 + 1$
- $0.5(x + 0.5)^2 - 1$
- $(x + 0.5)^2 + 1$
- $1 - 0.5(x - 1)^2$
- $0.5(x + 1)^2 - 1$



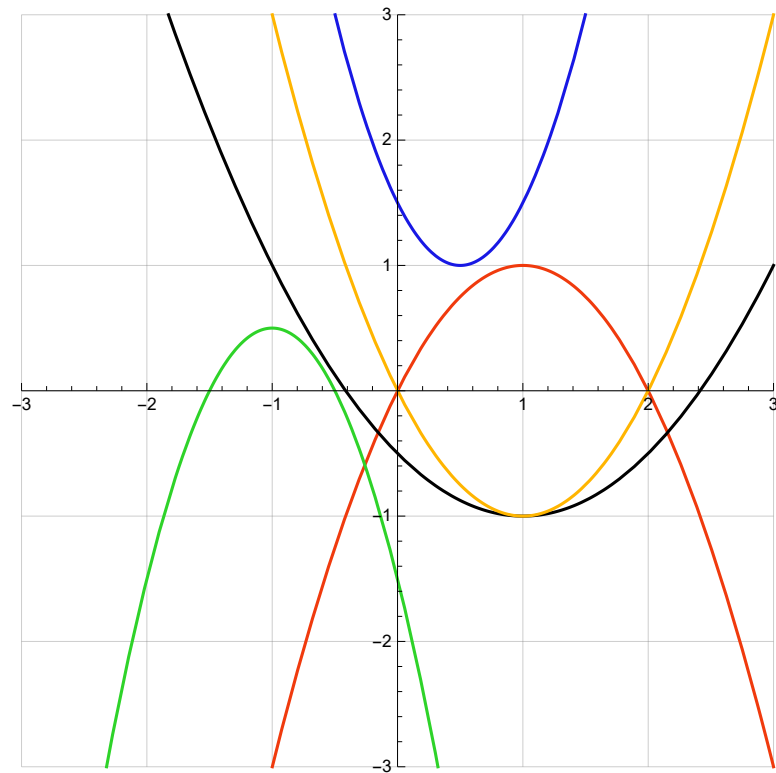
19.

- $0.5x^2 + 1$  ■  
 $0.5 - 2(x + 0.5)^2$  ■  
 $0.5x^2 + 0.5$  ■  
 $1 - 0.5(x + 0.5)^2$  ■  
 $0.5(x - 1)^2 - 1$  ■



20.

- $2(x - 0.5)^2 + 1$  ■  
 $0.5(x - 1)^2 - 1$  ■  
 $1 - (x - 1)^2$  ■  
 $(x - 1)^2 - 1$  ■  
 $0.5 - 2(x + 1)^2$  ■



**PERMANENT CITATION**

**Parabolic Function Game from the Wolfram Demonstrations Project**

**[http : // demonstrations.wolfram.com / ParabolicFunctionGame /](http://demonstrations.wolfram.com/ParabolicFunctionGame/) Contributed by : Izidor Hafner**