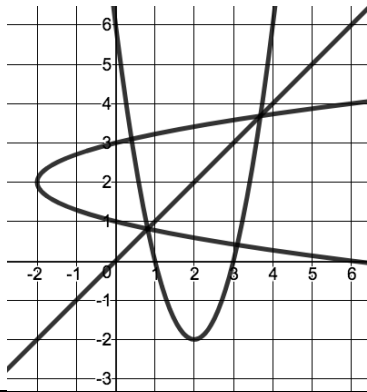


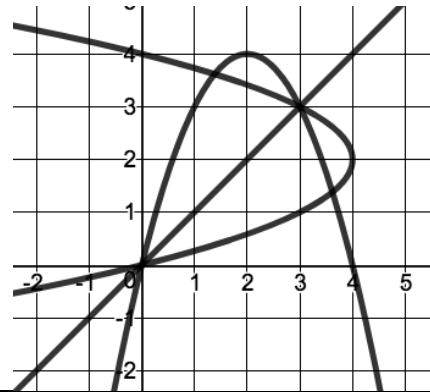
Inverse of a Quadratic Graph Answers

1.



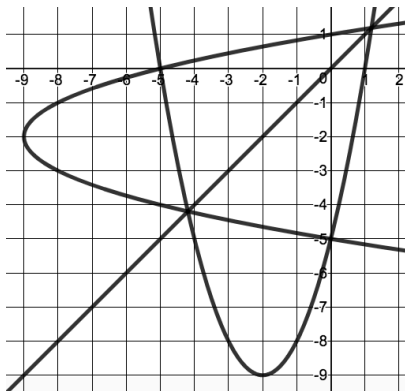
| | | | |
|-------------|----------------------|------------------------------|-------------------|
| $f(x)$ | Vertex: (2, -2) | x-int: $x = 1$ $x = 3$ | y-int: $y = 6$ |
| $f^{-1}(x)$ | In. Vert: (-2, 2) | y-int: $y = 1$ $y = 3$ | x-int: $x = 6$ |

2.



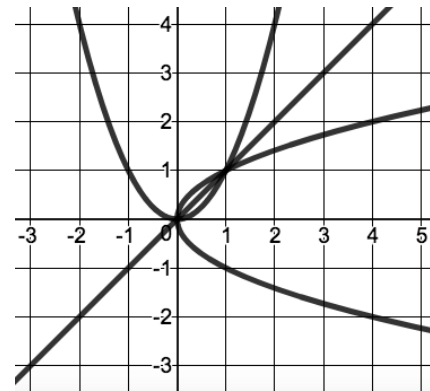
| | | | |
|-------------|---------------------|------------------------------|-------------------|
| $f(x)$ | Vertex: (2, 4) | x-int: $x = 0$ $x = 4$ | y-int: $y = 0$ |
| $f^{-1}(x)$ | In. Vert: (4, 2) | y-int: $y = 0$ $y = 4$ | x-int: $x = 0$ |

3.



| | | | |
|-------------|-----------------------|-------------------------------|--------------------|
| $f(x)$ | Vertex: (-2, -9) | x-int: $x = -5$ $x = 1$ | y-int: $y = -5$ |
| $f^{-1}(x)$ | In. Vert: (-9, -2) | y-int: $y = -5$ $y = 1$ | x-int: $x = -5$ |

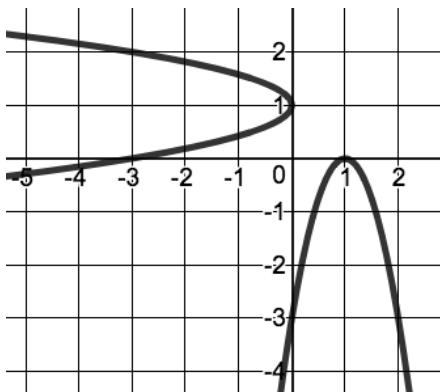
4.



| | | | |
|-------------|---------------------|-------------------|-------------------|
| $f(x)$ | Vertex: (0, 0) | x-int: $x = 0$ | y-int: $y = 0$ |
| $f^{-1}(x)$ | In. Vert: (0, 0) | y-int: $y = 0$ | x-int: $x = 0$ |

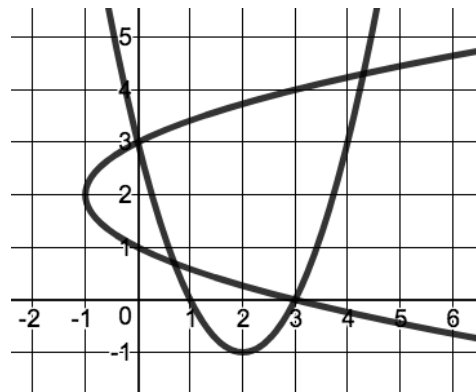
Graphing Quadratics and their Inverses Answers

1.



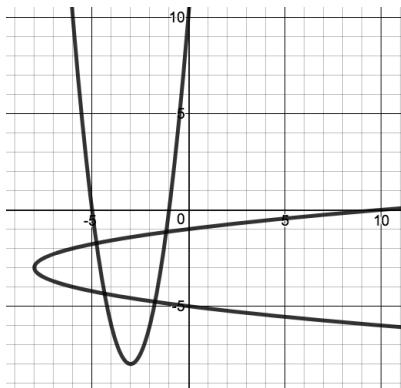
| | | | |
|--------|---------------------------|-------------------|--------------------|
| $f(x)$ | Axis of Symm.: $x = 1$ | x-int: $x = 1$ | y-int: $y = -3$ |
|--------|---------------------------|-------------------|--------------------|

2.



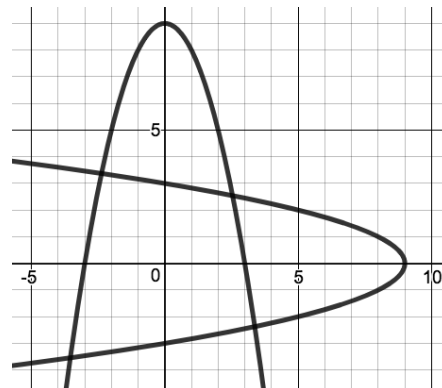
| | | | |
|--------|---------------------------|------------------------------|-------------------|
| $g(x)$ | Axis of Symm.: $x = 2$ | x-int: $x = 1$ $x = 3$ | y-int: $y = 3$ |
|--------|---------------------------|------------------------------|-------------------|

3.



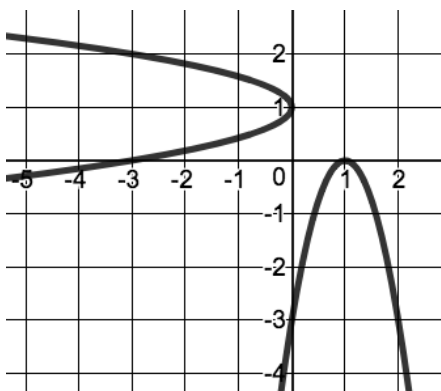
| | | | |
|--------|----------------------------|-----------------------------------|-----------------------|
| $h(x)$ | Axis of Symm.: $x = -3$ | x -int: $x = -5$ $x = -1$ | y -int: $y = 10$ |
|--------|----------------------------|-----------------------------------|-----------------------|

4.



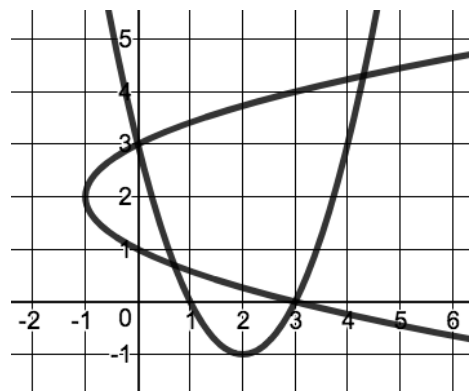
| | | | |
|--------|---------------------------|----------------------------------|----------------------|
| $j(x)$ | Axis of Symm.: $x = 0$ | x -int: $x = -3$ $x = 3$ | y -int: $y = 9$ |
|--------|---------------------------|----------------------------------|----------------------|

5.



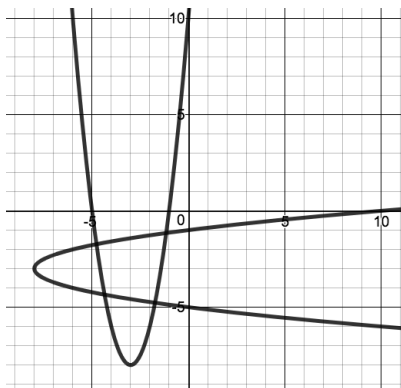
| | | | |
|--------|---------------------------|----------------------|-----------------------|
| $f(x)$ | Axis of Symm.: $x = 1$ | x -int: $x = 1$ | y -int: $y = -3$ |
|--------|---------------------------|----------------------|-----------------------|

6.



| | | | |
|--------|---------------------------|---------------------------------|----------------------|
| $g(x)$ | Axis of Symm.: $x = 2$ | x -int: $x = 1$ $x = 3$ | y -int: $y = 3$ |
|--------|---------------------------|---------------------------------|----------------------|

7.



| | | | |
|--------|----------------------------|-----------------------------------|-----------------------|
| $h(x)$ | Axis of Symm.: $x = -3$ | x -int: $x = -5$ $x = -1$ | y -int: $y = 10$ |
|--------|----------------------------|-----------------------------------|-----------------------|