Systems of Equations Matching

(cut out each box, scramble them up, and match the solutions to the functions)

functions	solution
$y = (x + 2)(x - 2)$ and $y = 2x - 5$	**(1, -3)** is the only real solution
$0 = 2y - 2x^2 + 6x + 56$ and $y = (x - 7)(x + 4)$	infinitely many real solutions
$x = y + 3$ and $y = x^2$	no real solutions
$y = 3x^2 + 3x - 1$ and $y = x^2 + x + 3$	**(-2, 5)** and **(1, 5)** are the only real solutions
$y = -5x^2 + 10$ and $y = 5$	**(-1, 5)** and **(1, 5)** are the only real solutions
$y = -x(x + 6)$ and $y = -(x - 2)(x + 4)$	**(-2, 8)** is the only real solution

$y = (x + 2)(x - 2)$ and $y = 2x - 5$	**(1, -3)** is the only real solution
$0 = 2y - 2x^2 + 6x + 56$ and $y = (x - 7)(x + 4)$	infinitely many real solutions
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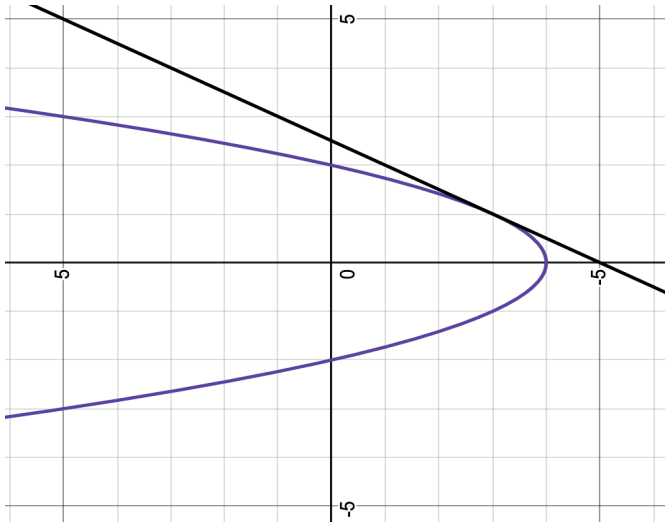
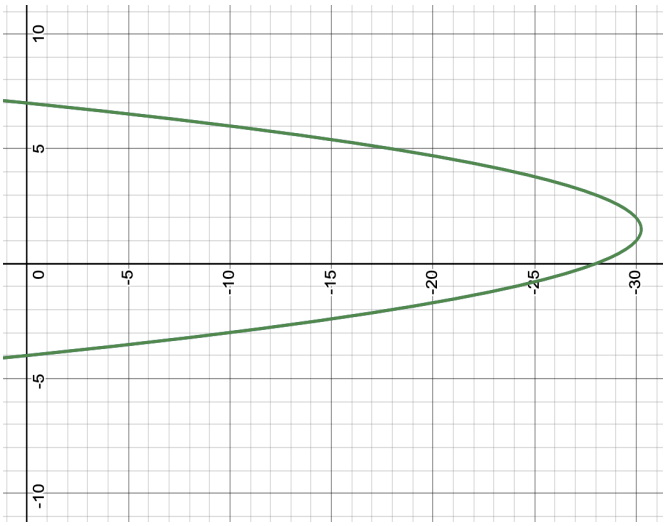
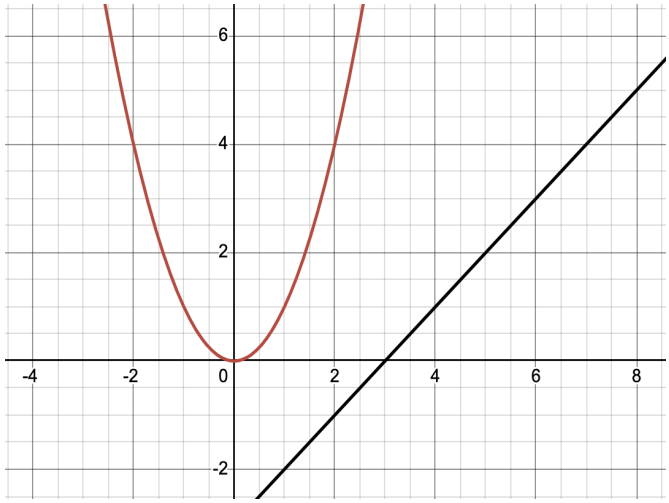
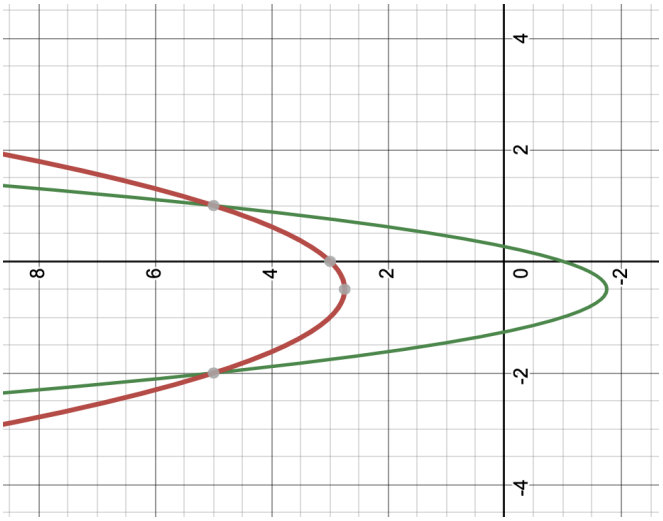
$y = -5x^2 + 10$ and $y = 5$	**(-1, 5)** and **(1, 5)** are the only real solutions
$y = -x(x + 6)$ and $y = -(x - 2)(x + 4)$	**(-2, 8)** is the only real solution


5
0
-5
5
-5


10
5
0
-5
-10
-5
-10
-15
-20
-25
-30


6
4
2
-2
-4
-2
0
2
4
6
8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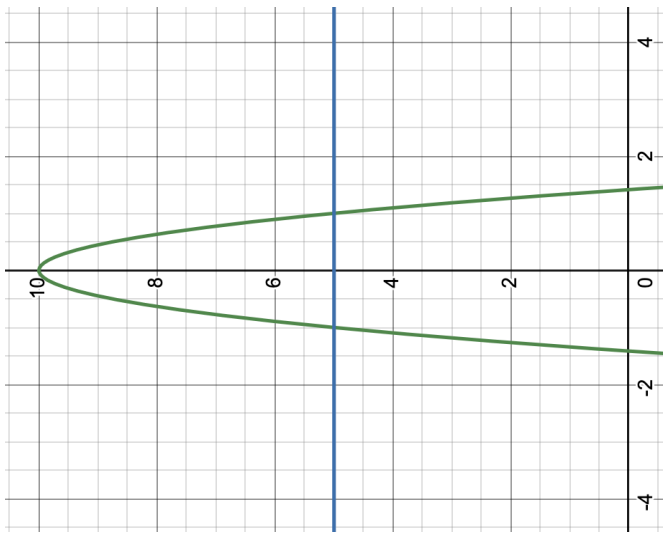
-2
-4
8
6
4
2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0
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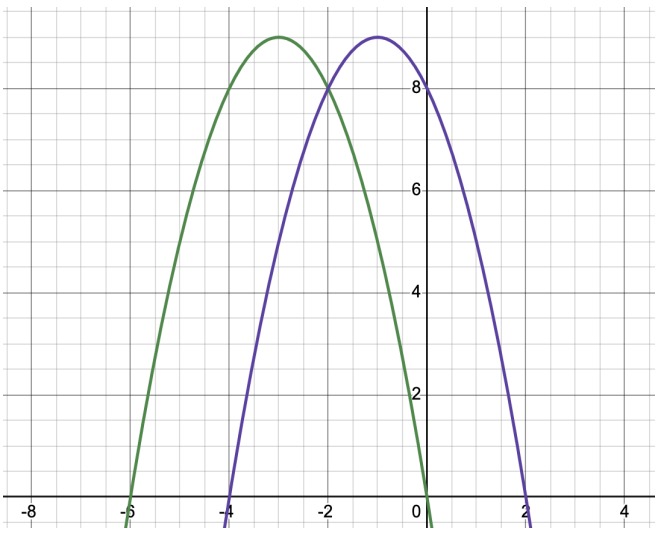
10
8
6
4
2


8
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-8
-6
-4
-2
0
2
4