

Algebra II
 Quadratics #10

Name _____

Solve the following systems by graphing. Check your solutions.

1. $y - x = 2$
 $y = 0.5(x + 2)^2$

2. $y = (x - 3)^2 + 5$
 $y = 5$

3. $3y - x = 6$
 $y + 3x^2 = -5x - 4$

4. $y + 3x^2 + 30x = -71$
 $y + 3x = -17$

5. $y - x^2 - 8x = 18$
 $y = -2x^2 - 16x - 30$

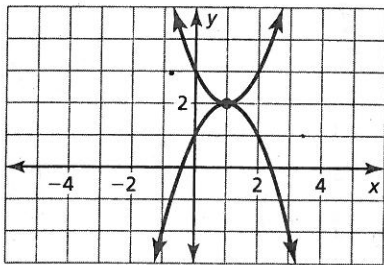
6. $y + 2x^2 + 9 = 0$
 $y = -4x - 1$

7. $y = (x - 2)^2$
 $y + x^2 - 4x + 2 = 0$

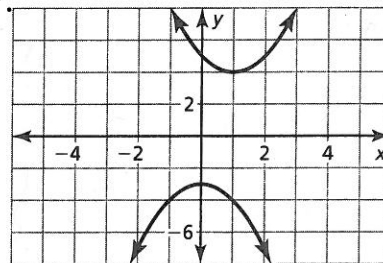
8. $y = \frac{1}{2}(x + 2)^2$
 $y = -\frac{1}{2}x^2 + 2$

Use the following graphs to solve the system.

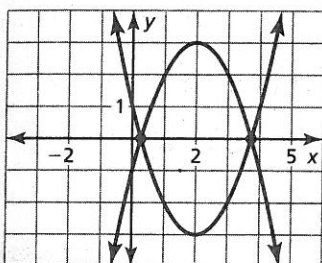
9.



10.



11.



12.

