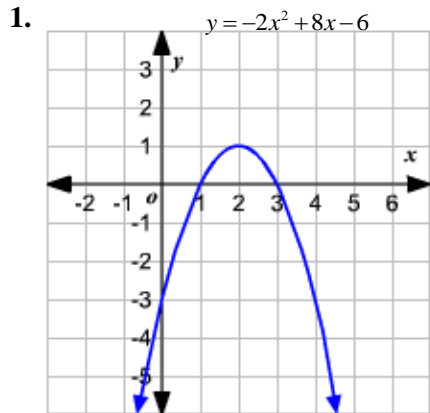


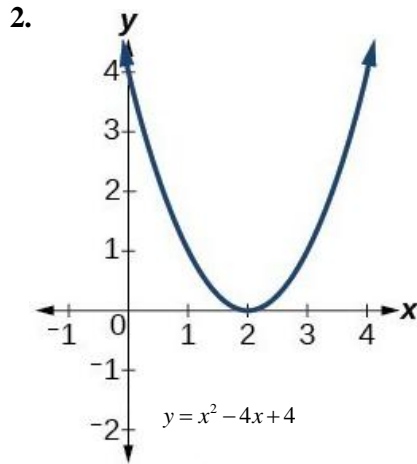
enVision Algebra 1
Unit 9A Review

Name _____
 Per _____ Date _____

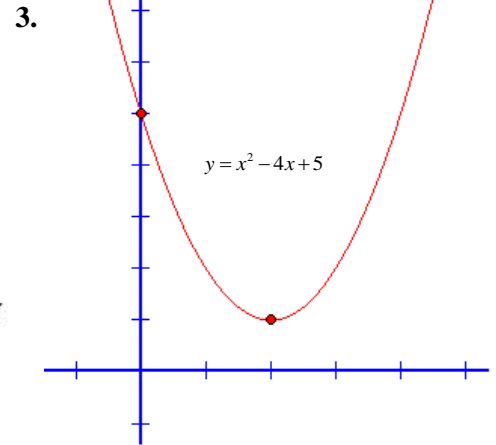
Use the graph below to find the solutions of the quadratic equation:



$x =$ _____



$x =$ _____



$x =$ _____

The table below shows the values of a quadratic equation. Using the table, find the solutions (zeros):

4.

x	y
-10	4
-5	0
0	-3
2	0
7	6

$x =$ _____

5.

x	$F(x)$
-1	-4
0	-2
1	0
2	2
3	4

$x =$ _____

Use your TI-84 to find the following solutions to the quadratic equation.

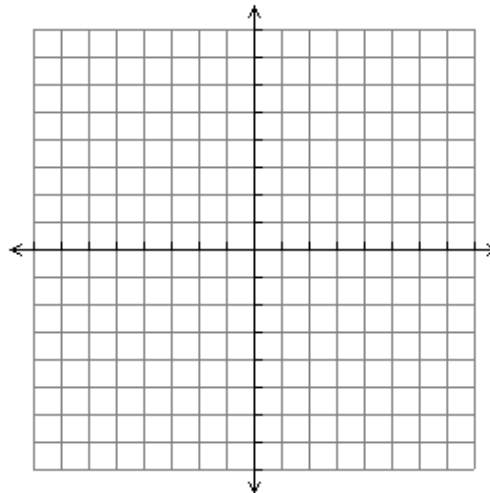
6. $y = -x^2 - 8x - 16$ $x =$ _____

7. $y = \frac{1}{4}x^2 + 5$ $x =$ _____

8. $y = 3x^2 - 18x + 15$ $x =$ _____

9. Solve the following system by graphing.

$$\begin{cases} y = (x+2)^2 - 7 \\ y = x+1 \end{cases}$$



Solutions: (_____, _____) and (_____, _____)

10. Solve the following system by the substitution method.

$$\begin{cases} y = x^2 + 4x - 3 \\ y = x + 1 \end{cases}$$

Solve by factoring. Box in answers.

11. $(x+8)(x-2) = 0$

12. $(3x-5)(2x+7) = 0$

13. $x^2 - 11x + 28 = 0$

14. $x^2 + 3x = 54$

15. $2n^2 - 8n = 0$

16. $3x^2 + 17x + 15 = 0$