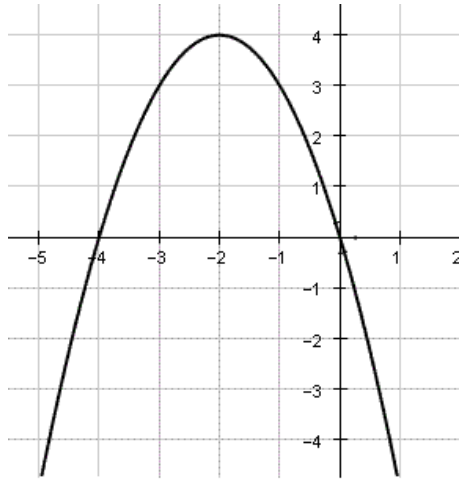


Topic 9 Part 1 Review

Name \_\_\_\_\_

1. Use the graph below to find the solutions of the quadratic equation.



X = \_\_\_\_\_ & \_\_\_\_\_

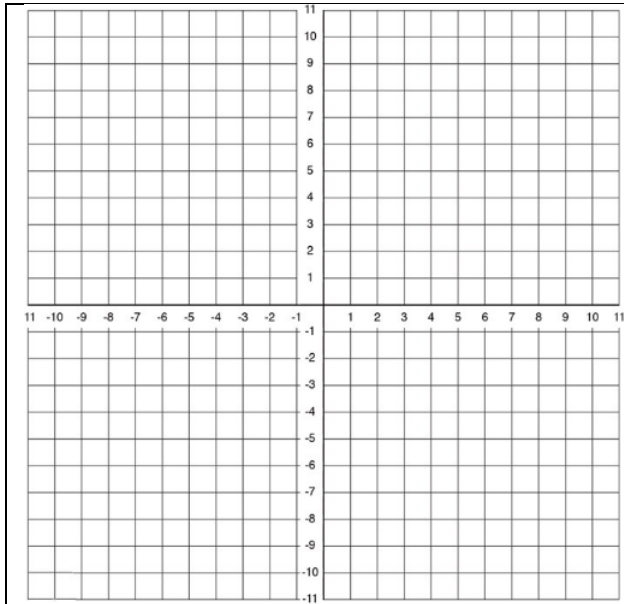
2. The table below shows the values of a quadratic equation. Using the table, find the solutions (zeros):

$$Y = x^2 - 2x - 15$$

X	Y
-4	9
-3	0
-2	-7
-1	-12
0	-15
1	-16
2	-15
3	-12
4	-7
5	0

X = \_\_\_\_\_ & \_\_\_\_\_

3. Solve the quadratic equation by graphing:  $y = x^2 + x - 12$



X = \_\_\_\_\_ & \_\_\_\_\_

Solve the equations.

4.  $(x + 2)(x - 9) = 0$

5.  $(2x + 3)(2x + 5) = 0$

6.  $(x - 4)(3x + 2) = 0$

Solve the equations by factoring.

7.  $x^2 - 6x - 16 = 0$

8.  $4x^2 + 2x - 3 = 0$

9.  $x^2 - 49 = 0$