

Directions: Click button "Week 3 Quiz - Submit Answers" when you ready to enter your answers. Read NOTES for formatting. Submit answers ONCE.

1. Evaluate the quadratic function, $f(x) = 3x^2 - 4x - 9$ at $x = -2$

2. Find the vertex of the quadratic function, $f(x) = x^2 - 6x - 6$

NOTE: answer as an ordered pair (_____, _____)

3. Find the vertex of the quadratic function, $f(x) = (x + 7)^2 - 5$

NOTE: answer as an ordered pair (_____, _____)

4. Complete the function table for the quadratic function, $f(x) = x^2 - 4x - 2$

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

5. Identify the x-intercept(s) of the quadratic function, $f(x) = 2(x + 1)(x - 7)$

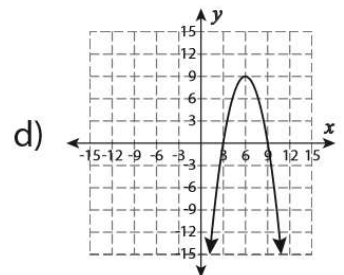
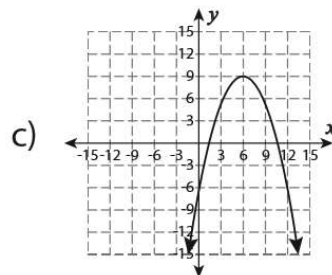
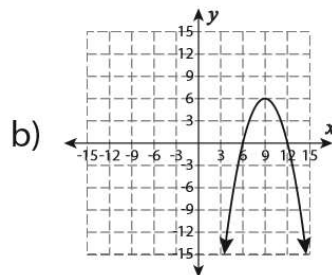
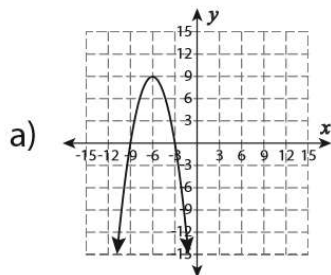
NOTE: answer as _____ and _____; enter the number(s); NO x = ; NO ordered pair

6. Identify the y-intercept of the quadratic function, $f(x) = x^2 - 16$

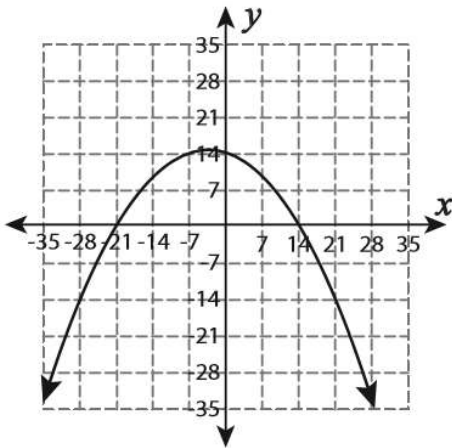
NOTE: enter the number; NO y = ; NO ordered pair

7.

Which of the following is the graph of $f(x) = -(x - 6)^2 + 9$?

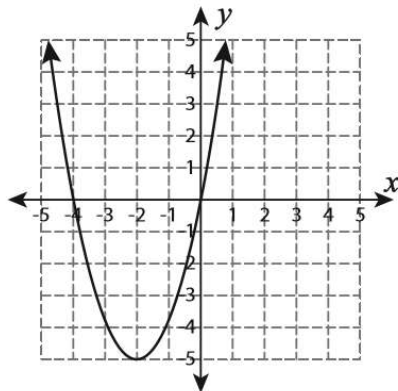


8. Identify the zeros of the graph below.



NOTE: answer format _____ and _____ (numbers; NO x = ; NO ordered pairs)

9. Identify the Axis of Symmetry of the graph below.



NOTE: enter the number; do not include x =

10. Identify whether the graph will open up or down for the quadratic function, $f(x) = -3x^2 + 2x + 8$