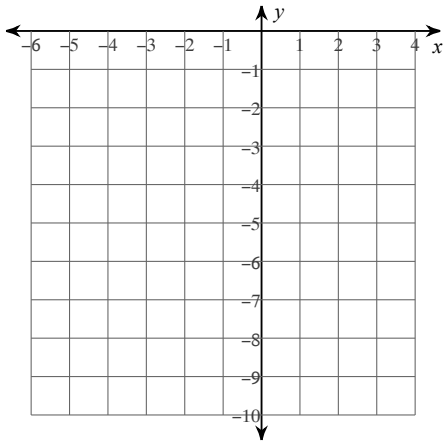


# Unit 6 - Warm Up #11 - Quadratics

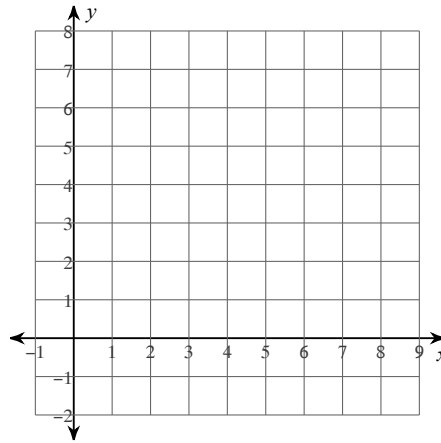
Name \_\_\_\_\_

Sketch the graph of each function.

1)  $f(x) = -2x^2 - 4x - 3$



2)  $f(x) = 2x^2 - 12x + 17$



Solve each equation by completing the square.

3)  $b^2 + 14b + 22 = 9$

4)  $m^2 - 20m - 97 = 2$

$$5) p^2 + 8p - 78 = 8$$

$$6) k^2 - 16k + 42 = 3$$

**Solve each equation with the quadratic formula.**

$$7) -m^2 + 3m + 4 = 0$$

$$8) -8m^2 - 12m + 9 = 0$$