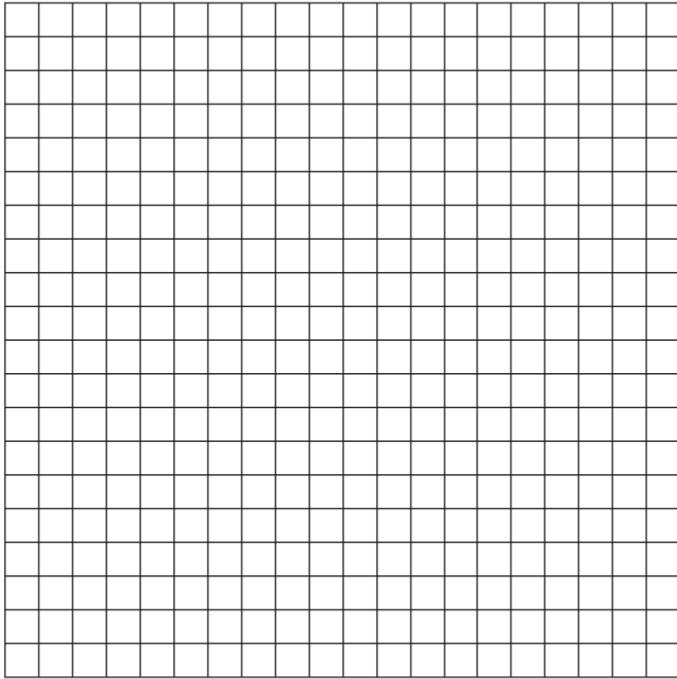


Name _____

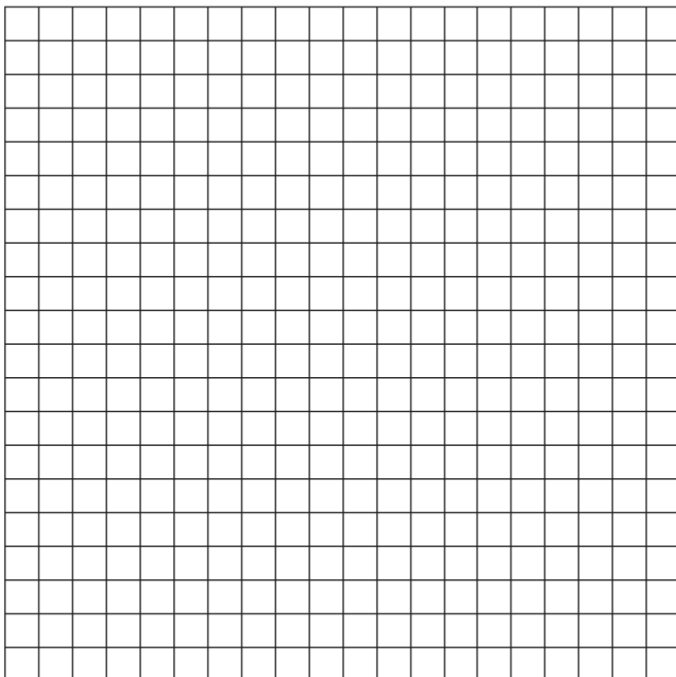
Student Practice: Graphing Quadratic Equations From Factored Form

Exercise 1: Graph the following functions and identify the vertex, x-intercept, and y-intercept.

a. $f(x) = -(x + 2)(x - 5)$



b. $g(x) = x^2 - 5x - 24$

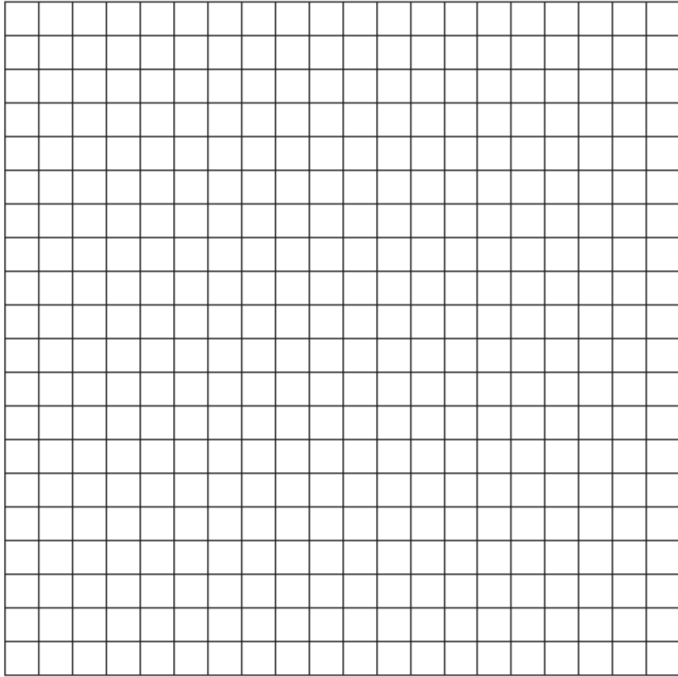


LEARNING OUTCOMES



- I can factor a quadratic equation in order to reveal its zeros, and use the zeros to graph the equation.

c. $p(x) = -6x^2 + 42x - 60$



Name _____

Student Practice: Completing the Square

Rewrite the following quadratic expressions as perfect squares.

1. $q^2 + 12q + 32$

2. $m^2 - 4m - 5$

3. $x^2 - 7x + 6.5$

**LEARNING
OUTCOMES**

- I can complete the square to factor quadratic functions.

4. $\frac{1}{2}y^2 + 3y - 4$

5. $-2x^2 + 8x + 5$

6. $3k^2 + 18k + 15$