

$$a = 1$$

Name: _____

Date: _____

Learning Goal 3.3

Convert standard form of the quadratic equation to vertex form by completing the square.

Convert the following functions into vertex form of the equation.

a. $f(x) = x^2 - 9x - 38$

b. $g(x) = x^2 - 2x + 3$

c. $h(x) = x^2 + 10x + 14$

d. $y = x^2 + 16x - 22$