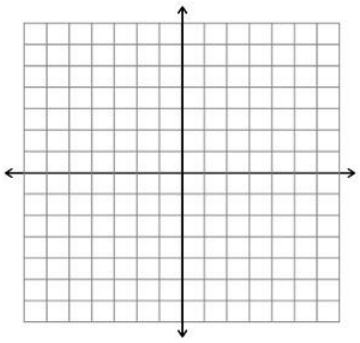
Unit 2A Day 4 CW

Find the characteristics of the following functions and graph them on the coordinate grid

$y = -2x^2 + 4x + 1$



Domain: _____

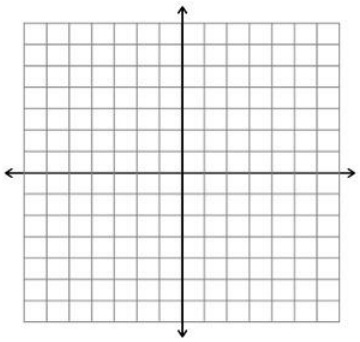
Range: _____

Axis of Symmetry: _____

Vertex: _____

y-intercept: _____

$y = (x - 5)(x + 1)$



Domain: _____

Range: _____

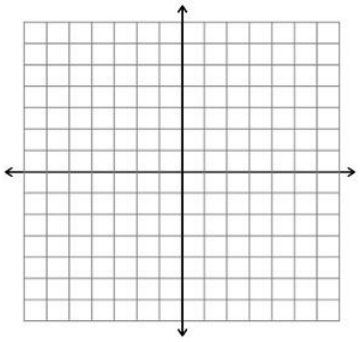
Axis of Symmetry: _____

Vertex: _____

y-intercept: _____

x-intercept(s): _____

$y = (x - 1)^2 - 2$



Domain: _____

Range: _____

Axis of Symmetry: _____

Vertex: _____

y-intercept: _____

Convert the following functions into standard form:

$y = (x + 6)(x - 4)$

$y = -3(x + 1)^2 - 7$