

$$(y-k)^2 = 4p(x-h)$$

Convert the general form parabola to vertex form.

1)

$$x = y^2 - 6y + 5$$

$$x - 5 = y^2 - 6y$$

$$y^2 - 6y + 9 = x - 5 + 9$$

$$(y-3)(y-3) = x + 4$$

$$(y-3)^2 = (x+4)$$

2)

Describe how you would determine which direction a parabola opens.