Vertex Form of the Equation of a Parabola

$$y = \frac{(x-h)^2}{4p} + k$$

Where (h,k) is the vertex of the parabola and p is the distance from the vertex to the focus.

1. Examine the vertex form of a parabola given above. What geometric information can you find the in the equation?

2. Below is an equation of a particular parabola. What geometric information can you find?

$$y = \frac{(x-2.4)^2}{6}$$