

**Activity 2 of Lesson 6:**  
***Rewriting the Equation for a Parabola from Standard to Vertex Form***

For each parabola, express its equation in vertex form.

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

**Use reasoning rather than a formula that you remember from school.**

1.  $y = x^2 - 8x$

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

3.  $y = 2x^2 + 20x + 66$