Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Notes 1 - Converting Vertex Form into Standard Form**

**Vertex Form: f(x) = a(x – h)2 + k Standard Form: f(x) = ax2 + bx + c**

**f(x) = -2(x – 4)2 + 5**

 **Step 1: FOIL**

 **Step 2: Distribute**

 **Step 3: Combine Like Terms**

 **Step 4: Use a graphing calculator – enter both equations to make sure they both graph the same parabola.**