Name:_____

Date Started: _____Date Completed: _____Score:_____

Learning Activity Sheet
Effects of Changing the Values of a, h, and k on the Graphs of a Quadratic Function

Compare the graph of the first equation to the graph of the second equation. Write your observation and graphs in your notebook.

1. $y = x^2 - 5,$ $\qquad$ $y = x^2$

2. $y = x^2 + 7,$ $\qquad$ $y = x^2$

3. $y = (x - 4)^2 + 3,$ $\quad$ $y = x^2 + 3$

4. $y = (x - 6)^2 - 3,$ $\quad$ $y = x^2$

5. $y = 7x^2,$ $\qquad$ $y = -7x^2$