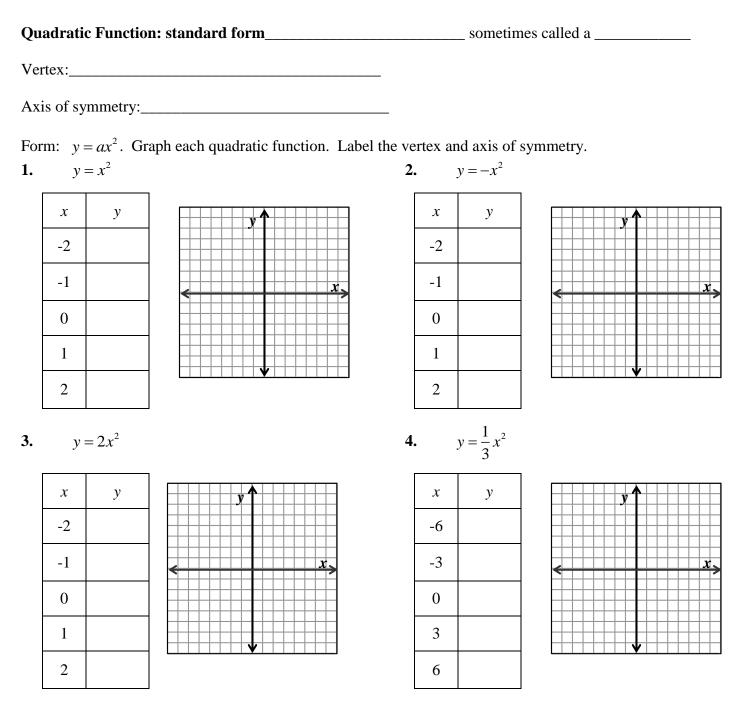
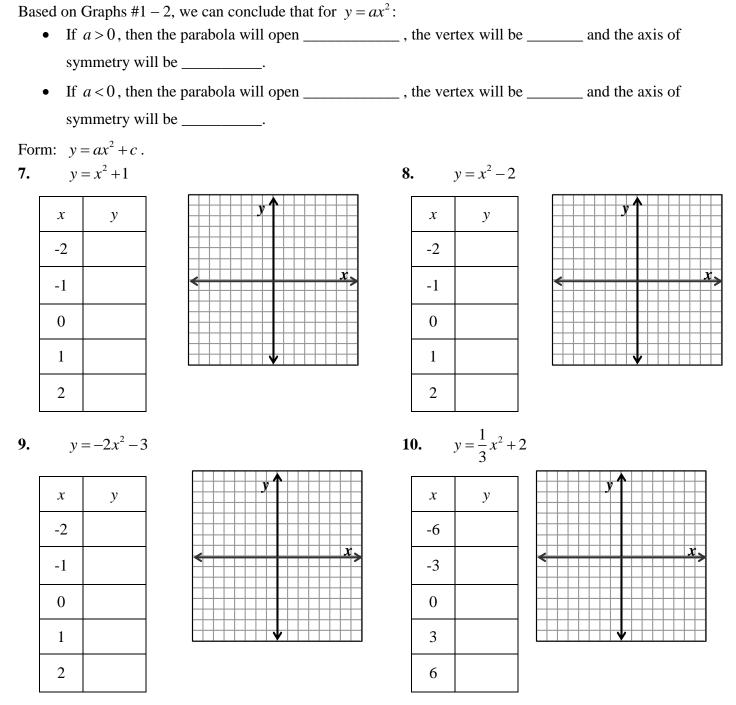
## **Graphing Quadratic Functions**



- 4. Compare the graphs from #1 and #2. How are they similar? How do they differ?
- 5. Compare the graphs of #1, #3, and #4. How are they similar? How do they differ?
- 6. What is the *y*-intercept of each graph?

## **Graphing Quadratic Functions**



11. Compare the graphs from #1, #7 and #8. How are they similar? How do they differ?

12. Compare the graphs from #3 and #9, then #4 and #10. How are they similar? How do they differ?

13. Find the *y*-intercept of #7 - 10. Compare the value of *c* and the *y*-intercept of each graph.

Based on Graphs #7 – 10, we can conclude that for  $y = ax^2 + c$ :

• The value of *c* determines the \_\_\_\_\_\_ of the graph.