**FOM2 Unit 2 Quiz 1 REVIEW – MATHO QUESTIONS Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 Date \_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_**

**Find the vertex, state the axis of symmetry, and determine if the function has a max or min.**

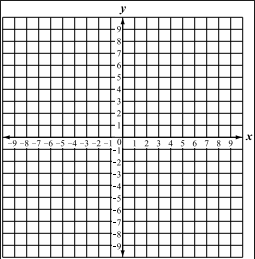
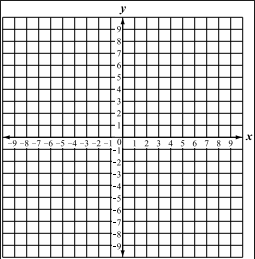
1. 2. 3.

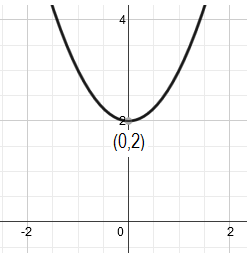
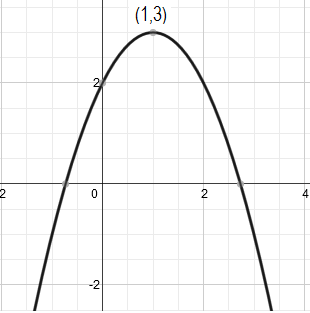
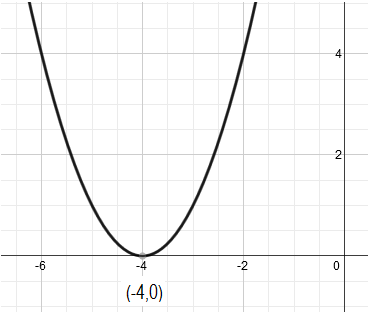
3. 5. 6.

7. 8.

**(EXCLUDED ON MATHO PROBLEMS) Graph the given function by finding the vertex and reflecting two other points.**

9. 10. .



******Given the graph, write the equation of the quadratic. Assume that a=1 or -1.**

11. 12. 13.

**Write the equation in standard form.**

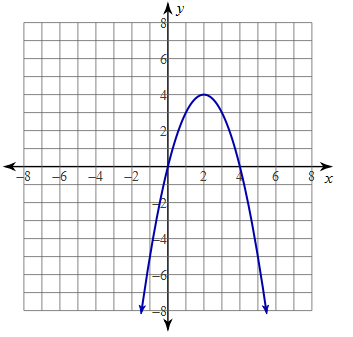
14. 15. 16.

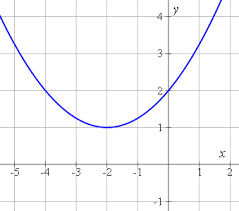
**Write the equation in vertex form.**

17. 18. 19.

**Write the equation for the parabola.**

20. Vertex (-2, -1), passes through (0, -5) 21. Vertex (-1, 1), passes through (2, -17)



22. 23.

**Describe each transformation from the parent function . Then state the Vertex.**

24. 25. 26.

27. 28. 29.

**Write a function for each**

30. A parabola that has a been stretched vertically by a factor of 8 and moved right 11.

31. A parabola that has been shrunk vertically by a factor of , has been reflected over the x-axis and moved left 7.

32. A parabola that has been shifted 15 units left, has a vertical stretch factor of 6, and has been shifted up 2.