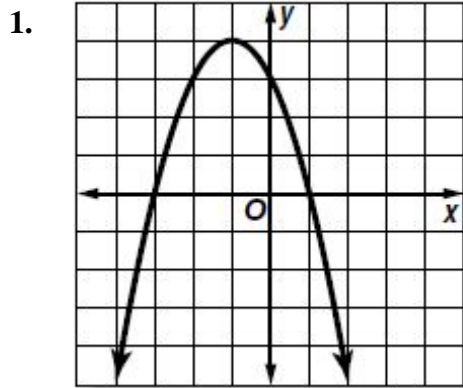
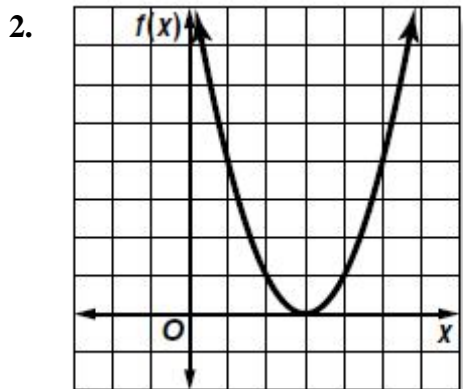


Name \_\_\_\_\_ Date \_\_\_\_\_ Blk \_\_\_\_\_

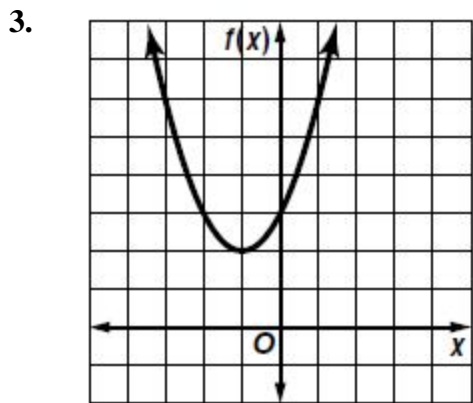
Directions: Answer the following questions.



Vertex: \_\_\_\_\_  
 Min or Max: \_\_\_\_\_  
 Axis of Symmetry: \_\_\_\_\_  
 Solution(s): \_\_\_\_\_



Vertex: \_\_\_\_\_  
 Min or Max: \_\_\_\_\_  
 Axis of Symmetry: \_\_\_\_\_  
 Solution(s): \_\_\_\_\_



Vertex: \_\_\_\_\_  
 Min or Max: \_\_\_\_\_  
 Axis of Symmetry: \_\_\_\_\_  
 Solution(s): \_\_\_\_\_

4. Order the following graphs from **widest to narrowest**.

$$y = -5x^2, \quad y = \frac{1}{2}x^2, \quad y = \frac{-2}{3}x^2$$

5. Order the following graphs from **widest to narrowest**.

$$y = -\frac{1}{6}x^2, \quad y = \frac{1}{2}x^2, \quad y = \frac{2}{5}x^2$$

**Solve the quadratic by graphing.**

6.  $x^2 + 6x + 9 = 0$

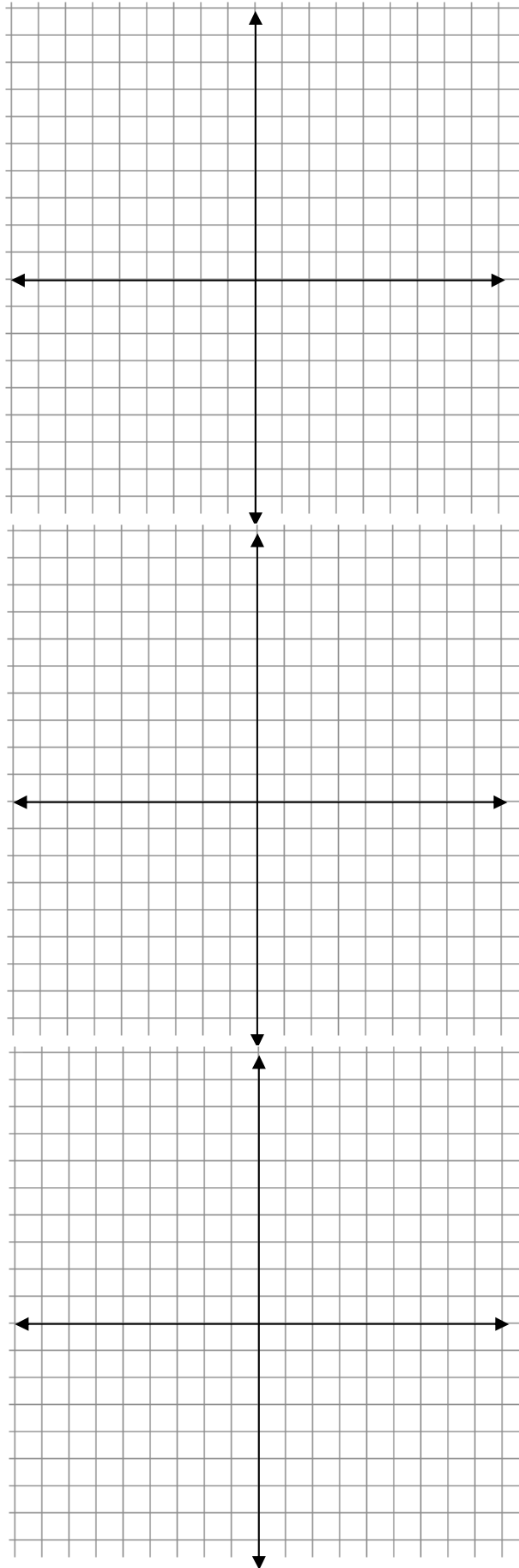
Solution(s): \_\_\_\_\_

7.  $2x^2 + 4x - 6 = 0$

Solution(s): \_\_\_\_\_

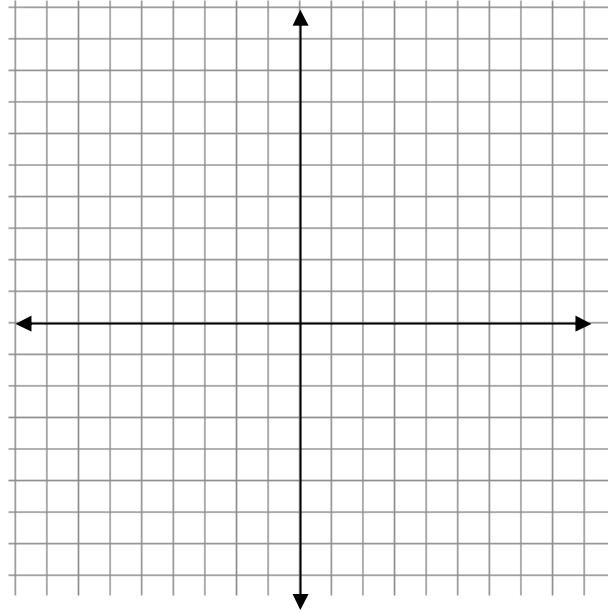
8.  $\frac{1}{2}x^2 - x - 4 = 0$

Solution(s): \_\_\_\_\_



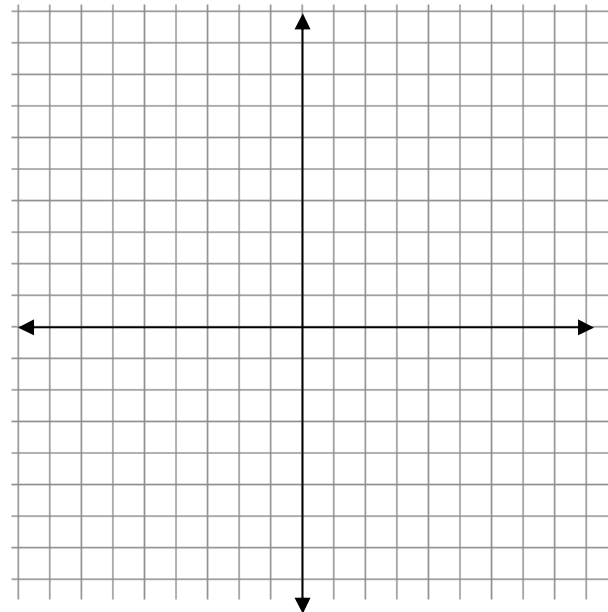
**Solve the quadratic by graphing. (Make sure you set the equation = 0)**

9.  $x^2 - 6x = -5$



Solution(s): \_\_\_\_\_

10.  $x^2 - 3 = 2x$



Solution(s): \_\_\_\_\_