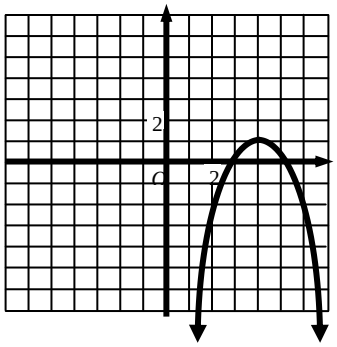
Quadratics – Day 1
Assignment

Name _____
Date _____ Per. _____

Identify the parts of each quadratic function. Draw the line of symmetry for each function.

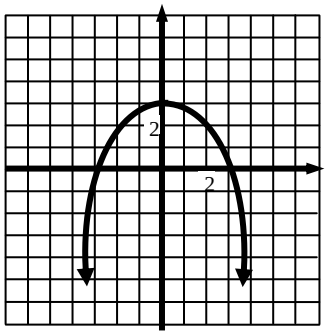
1. 

Vertex _____ Maximum or Minimum point? _____

Equation of the Line of Symmetry _____

x-intercepts (or roots) _____

Domain _____ Range _____

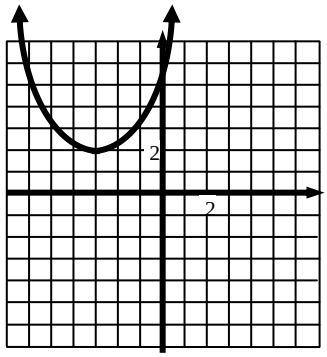
2. 

Vertex _____ Maximum or Minimum point? _____

Equation of the Line of Symmetry _____

x-intercepts (or roots) _____

Domain _____ Range _____

3. 

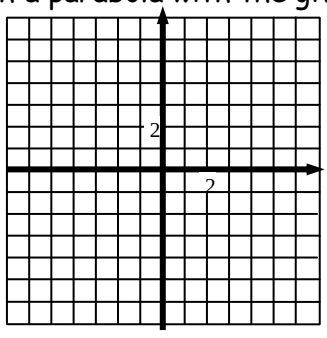
Vertex _____ Maximum or Minimum point? _____

Equation of the Line of Symmetry _____

x-intercepts (or roots) _____

Domain _____ Range _____

Graph a parabola with the given vertex and x-intercepts. Answer the other three parts.

4. 

Vertex: (4, 3) x-intercepts (or roots): (2, 0) and (6, 0)

Maximum or Minimum point? _____

Equation of the Line of Symmetry _____

Domain _____ Range _____

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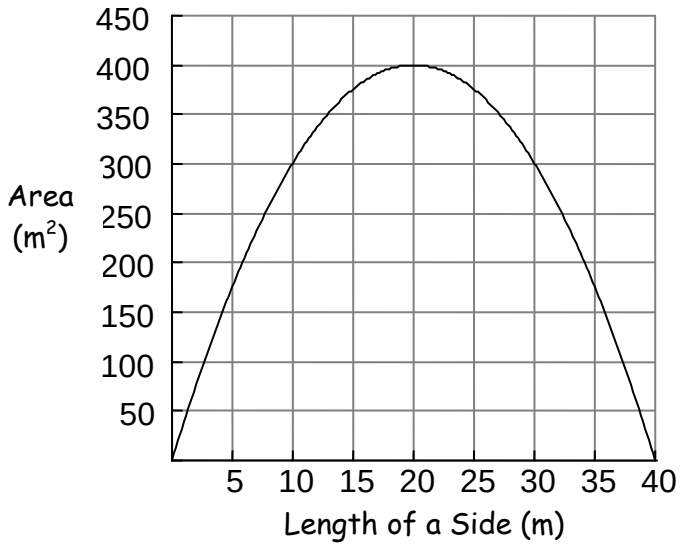
The graph shows length and area data for rectangles with a fixed perimeter.



5. What is the vertex of the function and is it a maximum or minimum point?

6. Write the equation for the line of symmetry.

7. What are the x-intercepts of the function?

8. What is the domain & range of the quadratic function?