Algebra 1 Chapter 9 Section 9.8 and 9.9

Show Work on Another Paper for Credit!!

For the following Quadratic Equations find the following then ${\it G}$ raph:

- a. Axis of Symmetry
- b. Vertex
- c. If it opens Up or Down
- d. Is it a Max or Min
- 1. $y = x^2 4x + 3$

- e. What is the Domain
- f. What is the Range
- g. Y-intercept
- h. Zeros/X-intercepts/Roots

2.
$$y = 3x^2 + 12x + 8$$

3. $y = -x^2 + 2$

Axis of Symmetry:	Axis of Symmetry:	Axis of Symmetry:
Vertex:	Vertex:	Vertex:
Zeros:	Zeros:	Zeros:
Opens Up or Down:	Opens Up or Down:	Opens Up or Down:
Max or Min:	Max or Min:	
Domain:	Domain:	
Range:	Range:	Range:

