Unit 1: Homework 1.B- Identify properties of Quadratics (LT#1.3, 1.4, 1.5)

For each of the following quadratics identify the following:

a) Vertex and either the absolute maximum or minimum values  
b) Intervals of increasing/decreasing  
c) Domain and Range  
d) All x and y-intercepts  
e) Intervals where the graph is positive and negative   
 and

f) Axis of symmetry

1. A. MAX:

B. Increasing:

Decreasing

C. Domain:

Range:

D. x-intercept: none

y-intercept:

E. :

: never

f.

2. A. MIN

B. Increasing:

Decreasing:

C. Domain:

Range:

D. x-intercept:

y-intercept:

E. :

: NEVER

f.

3. A. MAX

B. Increasing:

Decreasing:

C. Domain:

Range:

D. x-intercept:

y-intercept: none

E. :

:

f.

4. A. MIN

B. Increasing:

Decreasing:

C. Domain:

Range:

D. x-intercept: none

y-intercept:

E. :

: never

f.