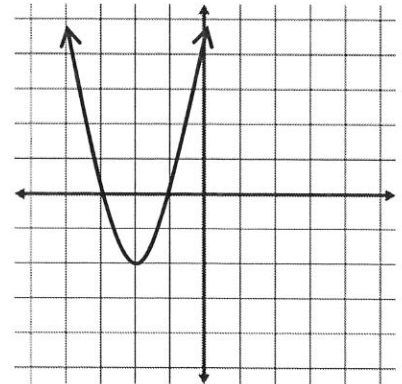


Test Review Warm-Up - Power Algebra – Ch.10 Quadratics

1. Determine if these quadratic equations are parabolas that have a positive or negative leading coefficient. Then circle if their vertex is a maximum or minimum.
 - a. $y = 3x^2 + 6x - 10$ Positive/Negative Max/Min
 - b. $y = -4x^2 - 3x + 4$ Positive/Negative Max/Min
 - c. $y = x^2 + 25$ Positive/Negative Max/Min

2. Answer each using the graph on the right.

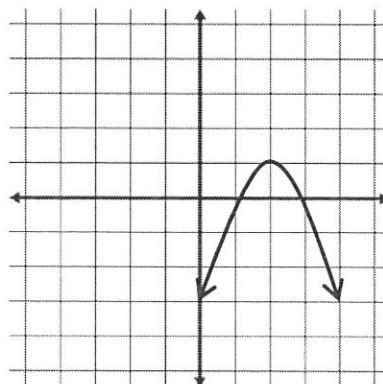
- a. Vertex coordinates
- b. Negative or Positive a value
- c. Vertex is the Min or Max
- d. x-intercept(s)
- e. y-intercept
- f. Draw in line of symmetry and write the equation.



Test Review Warm-Up - Power Algebra – Ch.10 Quadratics

3. Answer each using the graph on the right.

- a. Vertex coordinates
- b. Negative or Positive a value
- c. Vertex is the Min or Max
- d. x-intercept(s)
- e. y-intercept
- f. Draw in line of symmetry and write the equation.



Key

Test Review Warm-Up - Power Algebra – Ch.10 Quadratics

1. Determine if these quadratic equations are parabolas that have a positive or negative leading coefficient. Then circle if their vertex is a maximum or minimum.

- a. $y = 3x^2 + 6x - 10$ Positive/Negative Max/Min
- b. $y = -4x^2 - 3x + 4$ Positive/Negative Max/Min
- c. $y = x^2 + 25$ Positive/Negative Max/Min

2. Answer each using the graph on the right.

a. Vertex coordinates $(-2, -2)$

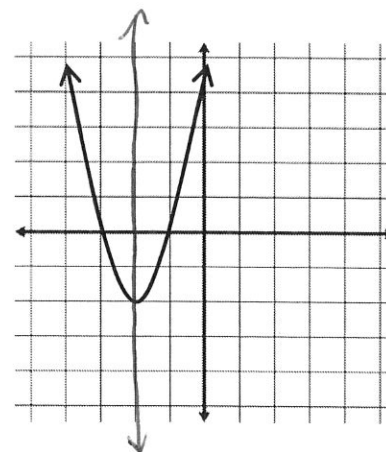
b. Negative or Positive a value positive

c. Vertex is the Min or Max min

d. x-intercept(s) $(-3, 0)(-1, 0)$

e. y-intercept $(0, 4)$

f. Draw in line of symmetry and write the equation. $x = -2$



Test Review Warm-Up - Power Algebra – Ch.10 Quadratics

3. Answer each using the graph on the right.

a. Vertex coordinates $(2, 1)$

b. Negative or Positive a value negative

c. Vertex is the Min or Max max

d. x-intercept(s) $(1, 0)(3, 0)$

e. y-intercept $(0, -3)$

f. Draw in line of symmetry and write the equation.

$$x = 2$$

