1) Answer the following questions for this quadratic:

$$y = 4x^2 + 4x - 3$$

a) Does it open up or down?

b) Axis of Symmetry

c) Vertex

d) Y-Intercept

e) X-Intercepts (or Roots or Zeroes)
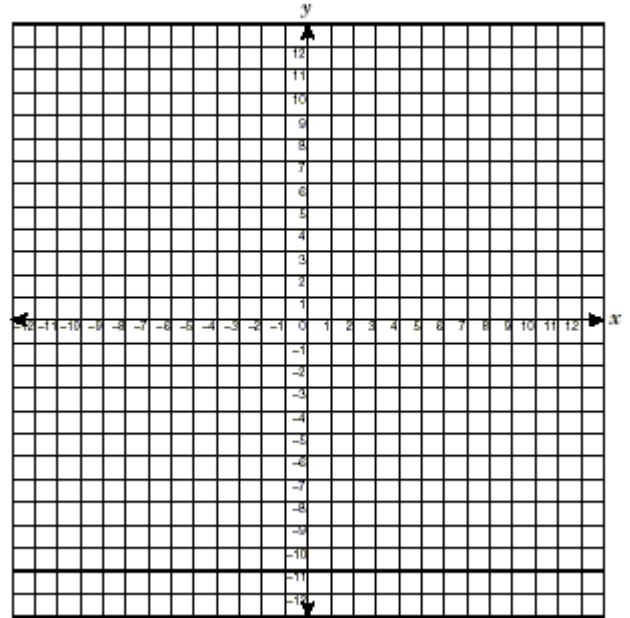
f) Graph

2) Answer the following questions for this quadratic:
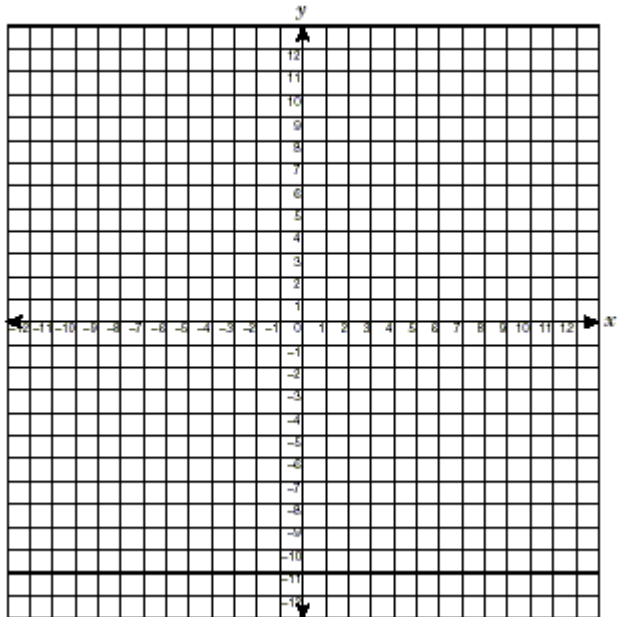
$$y = -x^2 + 4$$

a) Does it open up or down?

b) Axis of Symmetry

c) Vertex

d) Y-Intercept

e) X-Intercepts (or Roots or Zeroes)

f) Graph

3) Answer the following questions for this quadratic:

$$y = 2x^2 - 2x - 12$$

a) Does it open up or down?
b) Axis of Symmetry
c) Vertex
d) Y-Intercept
e) X-Intercepts (or Roots or Zeroes)
f) Graph

4) Answer the following questions for this quadratic:
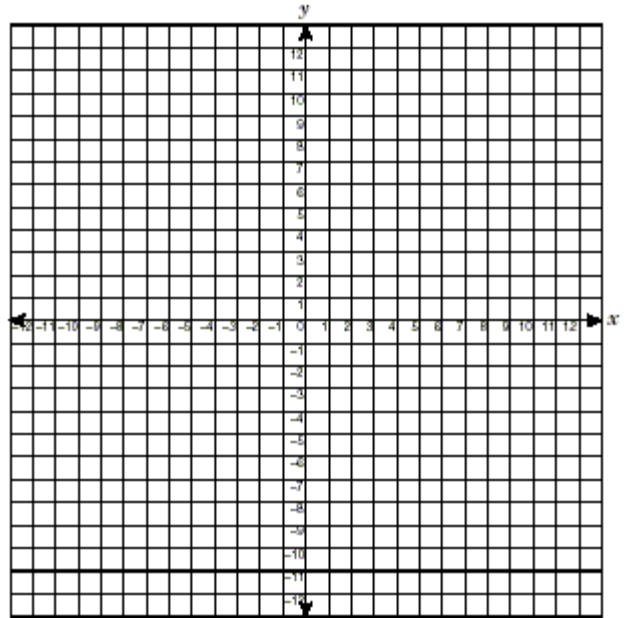
$$y = -x^2 - 10x - 7$$

a) Does it open up or down?
b) Axis of Symmetry
c) Vertex
d) Y-Intercept
e) X-Intercepts (or Roots or Zeroes)
f) Graph