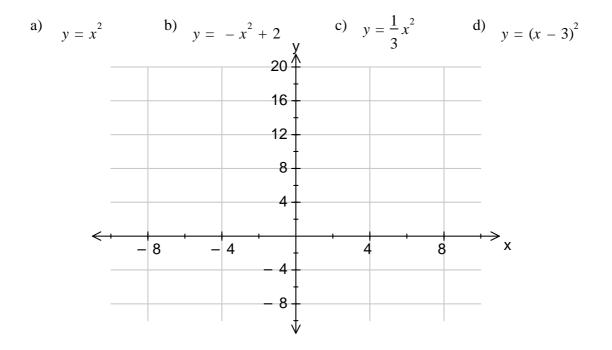
Homework Questions 5 – Parabola Graphs

1. Plot the following graphs on the axis below



2. Find the y intercept of the following graphs

- a) $y = x^2 6$
- b) $y = (x 3)^2$
- c) $y = -x^2 + 2$

d)
$$y = -(x + 1)^2 + 3$$

Y intercept =

Y intercept =

Y intercept =

Y intercept =

- 3. Find the x intercept of the following graphs
 - a) y = (x + 3)(x 6)
 - b) y = x(x + 9)

X intercept =

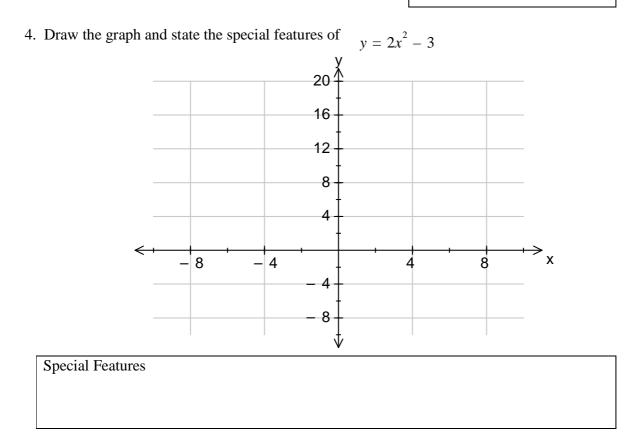
X intercept =

c)
$$y = x^2 + 7x + 12$$

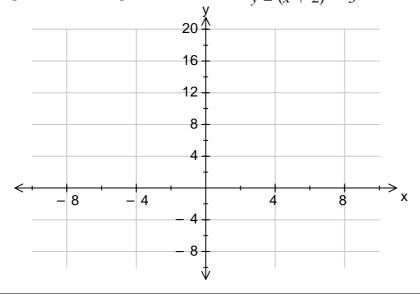
d) $y = 3x^2 + 10x - 8$

X intercept =

X intercept =



5. Draw the graph and state the special features of $y = (x + 2)^2 - 3$



Special Features