Find the vertex and x-intercept(s) of the following quadratic functions. 1.

A)
$$y = 2x^2 - 6x$$

A)
$$y = 2x^2 - 6x$$
 B) $y = x^2 + 10x + 24$ C) $y = x^2 + 7x + 6$

C)
$$y = x^2 + 7x + 6$$

D)
$$y = x^2 - 12x + 36$$

E)
$$y = 3x^2 + 5x - 2$$

D)
$$y = x^2 - 12x + 36$$
 E) $y = 3x^2 + 5x - 2$ F) $y = 6x^2 - 38x + 56$

G)
$$y = x^2 - 2x - 15$$

G)
$$y = x^2 - 2x - 15$$
 H) $y = 6x^2 - 21x + 9$ I) $y = x^2 - 2x - 15$

I)
$$y = x^2 - 2x - 15$$

2. Find the vertex and x-intercept(s) of the following quadratic functions. Change your window settings to the following: Xmin = -20 Xmax = 20 Xscl = 2 **Ymin = -20 Ymax = 20 Yscal = 2**

A)
$$v = 2x^2 - 12x$$

A)
$$y = 2x^2 - 12x$$
 B) $y = x^2 - 2x - 15$ C) $y = 4x^2 + 20x + 9$

C)
$$y = 4x^2 + 20x + 9$$

D)
$$y = 2x^2 + 13x + 6$$

E)
$$y = x^2 - 2x - 15$$

D)
$$y = 2x^2 + 13x + 6$$
 E) $y = x^2 - 2x - 15$ F) $y = 2x^2 + 15x + 18$

G)
$$y = x^2 - 2x - 15$$

H)
$$v = x^2 - 2x - 15$$

G)
$$y = x^2 - 2x - 15$$
 H) $y = x^2 - 2x - 15$ I) $y = 8x^2 + 18x - 5$