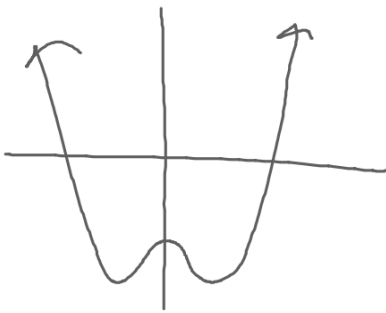
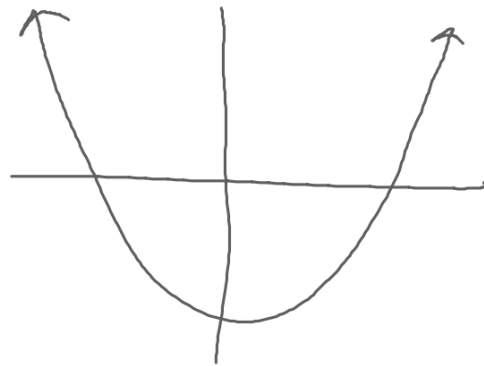


$$y = ax^4 - \underline{cx^2} - e$$



$$y = ax^4 - e$$



### 3.5 Practice: Factor and Graph

$$y = x^4 - 1$$

$$(x^2 - 1)(x^2 + 1)$$

$$(x - 1)(x + 1)(x^2 + 1)$$

$$y = x^4 + 2x^2 - 24$$

$$y = x^4 - 4$$

$$y = (x^2 - 2)(x^2 + 2)$$

$$\text{Zeros } x^2 - 2 = 0$$

$$x^2 = 2$$

$$x = \pm\sqrt{2}$$

$$y = 9x^4 - 40x^2 + 16$$

Factor and graph the following functions

$$f(x) = x^4 - x^2 - 12$$

$$f(x) = x^4 - x^2 - 30$$

$$f(x) = x^4 - 256$$

3.5 Notes: Factor and Graph

$$f(x) = 4x^3 + 4x^2 - 24x$$

$$f(x) = 5x^3 - 19x^2 + 12x$$