

## Factor Completely

$$x^2 + 7x + 12$$

$$x^2 - 36$$

$$x^2 - x - 56$$

$$2x^2 + x - 3$$

WITHOUT GRAPHING describe the end behaviors for each function:

$$f(x) = -x^2 - 8x - 15$$

$$f(x) = x^3 - 3x^2 + 1$$

$$f(x) = -x^5 + 4x^3 - 2x - 2$$

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