

Factoring Flashback #3

Completely factor:

$$x^2 - 4$$

$$m^2 + 9m + 20$$

$$3x^2 + 3x + 90$$

$$5x^2 + 7x - 6$$

$$25x^2 + 1$$

$$y^2 - 6y - 27$$

$$(x + 1)^2 + 3(x + 1) - 10$$

$$9x^2 - 49y^2$$

$$x^4 + 10x^2 + 16$$

$$\frac{3}{2}x^2 - \frac{13}{4}x - 2$$

$$0.4x^2 - 1.9x + 1.2$$

$$x^4 - 6x^2 - 27$$

Solve:

$$x^2 + 9x - 22 = 0$$

$$3x^2 + 7x + 8 = 5x^2 + 12x + 1$$

$$x^2 - 14x - 8 = 0$$