

Solve the following equations, if possible. Simplify your answers completely.

$$6x^2 + 7x - 3 = 0$$

$$9x^2 - 25 = 0$$

$$16x^2 + 25 = 0$$

$$x^2 - 2x = 15$$

$$9x^2 + 12x + 3 = 0$$

$$9x^2 - 12x - 1 = 0$$

$$x^2 - 5x - 1 = 0$$

$$x^2 - 2x - 1 = 0$$

$$-6x^2 - 2x + 6 = 0$$

$$x^2 - 3x = 2$$

$$11x^2 = 7x - 1$$

$$x^2 = x + 1$$

$$3x^2 - 12x + 12 = 75$$

$$x^2 - 8x + 15 = 0$$

$$(5x + 3)^2 = 3$$

$$(-2x + 5)^2 = 8$$

$$(x - 2)^2 = 7$$

$$(4x + 3)^2 = 12$$

$$\frac{2x - 3}{x + 1} = \frac{x + 1}{x + 2}$$

$$\frac{x}{x - 1} = \frac{3x}{x - 2}$$

$$4 - \frac{11}{x} - \frac{3}{x^2} = 0$$

$$3 = \frac{4}{x} + \frac{2}{x^2}$$