

$$\sqrt{x - 1} = x - 3$$

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

$$x^2 - 3x - 28 = 0$$

$$(x - 5)(x + 2) = 0$$

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

$$x^2 = 36$$

$$2(x + 3)^2 = 98$$

$$x^2 + 10x + 25 = 0$$

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

$$\frac{2}{x} + \frac{1}{4} = \frac{3}{2}$$

$$x(x + 3) = 28$$

$$(x - 4)^2 = 25$$

$$\frac{x^2 - 9}{x - 3} = 9$$

$$x^3 + 3x = 0$$

$$\frac{3x - 2}{x} = 6$$

$$\frac{x + 5}{x - 1} = 2$$

$$5(x + 1)^2 = 45$$

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

$$\frac{x+5}{3} + \frac{x-1}{2} = 5$$

$$x^2 = x + 5$$

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

$$\frac{4x+1}{4} = \frac{5}{6}$$

$$\frac{1}{x+1} = \frac{4}{x+6}$$

$$x^2 + 4x = 0$$

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