

Solutions – Null Factor Law (A)

Solve $5x(4x - 32) = 0$

$x = 0, x = 8$

Solve $(6x - 6)(2x - 16) = 0$

$x = 1, x = 8$

Solve $(4x + 32)(3x - 24) = 0$

$x = -8, x = 8$

Solve $(5x + 30)(6x - 12) = 0$

$x = -6, x = 2$

Solve $(x - 9)(5x + 10) = 0$

$x = 9, x = -2$

Solve $(5x - 15)(5x + 45) = 0$

$x = 3, x = -9$

Solutions – Null Factor Law (B)

Solve $(x + 2)(3x - 6) = 0$

$x = -2, x = 2$

Solve $5x(6x + 12) = 0$

$x = -2, x = 0$

Solve $(5x + 40)(5x + 30) = 0$

$x = -8, x = -6$

Solve $(6x - 30)(2x - 6) = 0$

$x = 5, x = 3$

Solve $(3x + 18)(4x + 16) = 0$

$x = -6, x = -4$

Solve $(4x + 32)(2x - 16) = 0$

$x = -8, x = 8$

Solutions – Null Factor Law (C)

$$\text{Solve } (3x + 27)(5x + 30) = 0$$

$$x = -9, x = -6$$

$$\text{Solve } (4x - 16)(3x - 9) = 0$$

$$x = 4, x = 3$$

$$\text{Solve } (2x + 8)(2x + 14) = 0$$

$$x = -4, x = -7$$

$$\text{Solve } (3x - 6)(4x + 20) = 0$$

$$x = 2, x = -5$$

$$\text{Solve } (3x + 3)(5x + 10) = 0$$

$$x = -1, x = -2$$

$$\text{Solve } (3x - 9)(2x - 16) = 0$$

$$x = 3, x = 8$$

Solutions – Null Factor Law (D)

Solve $(3x + 6)(3x + 12) = 0$

$x = -2, x = -4$

Solve $5x(3x + 15) = 0$

$x = -5, x = 0$

Solve $(3x - 9)(4x - 28) = 0$

$x = 3, x = 7$

Solve $(2x + 6)(2x - 12) = 0$

$x = -3, x = 6$

Solve $(5x + 5)(4x - 32) = 0$

$x = -1, x = 8$

Solve $(2x - 10)(6x + 18) = 0$

$x = 5, x = -3$

Solutions – Null Factor Law (E)

Solve $(x - 4)(2x - 10) = 0$

$x = 4, x = 5$

Solve $(x - 9)(4x + 12) = 0$

$x = 9, x = -3$

Solve $(4x + 32)(x + 4) = 0$

$x = -8, x = -4$

Solve $(6x + 6)(5x + 40) = 0$

$x = -1, x = -8$

Solve $(5x + 15)(6x + 54) = 0$

$x = -3, x = -9$

Solve $6x(2x - 2) = 0$

$x = 0, x = 1$

Solutions – Null Factor Law (F)

Solve $(x + 8)(4x - 12) = 0$

$x = -8, x = 3$

Solve $(4x - 8)(5x + 40) = 0$

$x = 2, x = -8$

Solve $(6x - 24)(2x - 2) = 0$

$x = 4, x = 1$

Solve $(x - 3)(2x - 10) = 0$

$x = 3, x = 5$

Solve $(4x - 24)(6x - 36) = 0$

$x = 6, x = 6$

Solve $(2x - 14)(4x - 36) = 0$

$x = 7, x = 9$

Solutions – Null Factor Law (G)

Solve $3x(x - 3) = 0$

$x = 3, x = 0$

Solve $(3x + 24)(6x - 36) = 0$

$x = -8, x = 6$

Solve $(6x + 30)(x - 3) = 0$

$x = -5, x = 3$

Solve $(6x + 48)(2x + 2) = 0$

$x = -8, x = -1$

Solve $(5x - 15)(6x - 12) = 0$

$x = 3, x = 2$

Solve $(6x - 42)(x + 9) = 0$

$x = 7, x = -9$

Solutions – Null Factor Law (H)

$$\text{Solve } (3x + 6)(2x + 10) = 0$$

$$x = -2, x = -5$$

$$\text{Solve } (x - 1)(6x - 54) = 0$$

$$x = 1, x = 9$$

$$\text{Solve } (x - 2)(4x - 4) = 0$$

$$x = 2, x = 1$$

$$\text{Solve } (x - 3)(2x + 4) = 0$$

$$x = 3, x = -2$$

$$\text{Solve } (3x - 18)(2x - 4) = 0$$

$$x = 6, x = 2$$

$$\text{Solve } (2x + 10)(4x - 16) = 0$$

$$x = -5, x = 4$$

Solutions – Null Factor Law (I)

$$\text{Solve } (4x - 36)(3x + 3) = 0$$

$$x = 9, x = -1$$

$$\text{Solve } (5x - 30)(5x + 45) = 0$$

$$x = 6, x = -9$$

$$\text{Solve } (3x - 15)(5x - 15) = 0$$

$$x = 5, x = 3$$

$$\text{Solve } (2x - 6)(5x - 30) = 0$$

$$x = 3, x = 6$$

$$\text{Solve } (6x - 12)(x + 2) = 0$$

$$x = 2, x = -2$$

$$\text{Solve } (6x - 18)(x + 1) = 0$$

$$x = 3, x = -1$$

Solutions – Null Factor Law (J)

Solve $(6x + 24)(4x - 16) = 0$

$x = -4, x = 4$

Solve $(4x + 16)(x + 4) = 0$

$x = -4, x = -4$

Solve $(5x + 20)(x + 6) = 0$

$x = -4, x = -6$

Solve $(x + 9)(3x - 12) = 0$

$x = -9, x = 4$

Solve $(5x - 35)(3x - 12) = 0$

$x = 7, x = 4$

Solve $(5x - 15)(2x - 18) = 0$

$x = 3, x = 9$