

Для решения нижеизложенных уравнений да помогут вам 2-е великие формулы

$$(x + y)^2 = x^2 + 2xy + y^2$$

$$x^2 - y^2 = (x + y)(x - y)$$

$$17) 3x^2 - 15 * x - 27 = 0$$

$$18) (!!!)(*) a * x^2 + b * x + c = 0$$



$$16) 3x^2 - 15 * x - 4 = 0$$

$$3(x^2 - 5x - 4/3) = 0 | :3$$

$$x^2 - 5x - 4/3 = 0$$

$$x^2 - 2x * 5/2 + (5/2)^2 - (5/2)^2 - 4/3 = 0$$

$$(x - (5/2))^2 - (5/2)^2 - 4/3 = 0$$

$$(x - (5/2))^2 - 25/4 - 4/3 = 0$$

$$(x - (5/2))^2 - 25 * 3/12 - 4 * 4/12 = 0$$

$$(x - (5/2))^2 - 91/12 = 0$$

$$(x - (5/2))^2 - (\sqrt{91/12})^2 = 0$$

$$(x - (5/2) + \sqrt{91/12})(x - (5/2) - \sqrt{91/12}) = 0$$

$$x - (5/2) + \sqrt{91/12} = 0$$

$$x + \sqrt{91/12} = 5/2$$

$$x = (5/2) - \sqrt{91/12}$$

$$x - (5/2) - \sqrt{91/12} = 0$$

$$x - \sqrt{91/12} = 5/2$$

$$x = (5/2) + \sqrt{91/12}$$

$$3x^2 - 15 * x - 27 = 0$$

$$3(x^2 - 5x - 9) = 0 | :3$$

$$x^2 - 5x - 9 = 0$$

$$x^2 - 2x * 5/2 - 9 = 0$$

$$x^2 - 2x * 5/2 + (5/2)^2 - (5/2)^2 - 9 = 0$$

$$(x - (5/2))^2 - (5/2)^2 - 9 = 0$$

$$(x - (5/2))^2 - 25/4 - 9 = 0$$

$$(x - (5/2))^2 - 61/4 = 0$$

$$(x - (5/2))^2 - (\sqrt{61/4})^2 = 0$$

$$(x - 5/2 + \sqrt{61/4})(x - 5/2 - \sqrt{61/4}) = 0$$

$$x - (5/2) + \sqrt{61/4} = 0$$

$$x + \sqrt{61/4} = (5/2)$$

$$x = (5/2) - \sqrt{61/4}$$

$$x - (5/2) - \sqrt{61/4} = 0$$

$$x - \sqrt{61/4} = 5/2$$

$$x = 5/2 + \sqrt{61/4}$$