

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

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

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

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

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

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

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

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

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

$$(x - 5/2)^2 - (V61/2)^2 = 0$$

$$(x - 5/2 - V61/2)(x - 5/2 + V61/2) = 0$$

$$(x - (5 + V61)/2)(x - (5 - V61)/2) = 0$$

$$x - (5 + V61)/2 = 0 \text{ или } x - (5 - V61)/2 = 0$$

$$x = (5 + V61)/2 \quad x = (5 - V61)/2$$

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

$$x^2 + bx/a + c/a = 0$$

$$x^2 + 2bx/(2a) + c/a = 0$$

$$x^2 + 2bx/(2a) + c/a + (b/(2a))^2 - (b/(2a))^2 = 0$$

$$(x + b/(2a))^2 - (b/(2a))^2 + c/a = 0$$

$$(x + b/(2a))^2 - b^2/(4a^2) + c/a = 0$$

$$(x + b/(2a))^2 - b^2/(4a^2) + 4ca/4a^2 = 0$$

$$(x + b/(2a))^2 - (b^2 - 4ca)/(4a^2) = 0$$

$$(x + b/(2a))^2 - (V(b^2 - 4ca)/V(4a^2))^2 = 0$$

$$(x + b/(2a))^2 - (V(b^2 - 4ca)/(2a))^2 = 0$$

$$(x + b/(2a) - V(b^2 - 4ca)/(2a))(x + b/(2a) + V(b^2 - 4ca)/(2a)) = 0$$

$$(x + (b - V(b^2 - 4ca))/(2a))(x + (b + V(b^2 - 4ca))/(2a)) = 0$$

$$D = b^2 - 4ca$$

$$(x + (b - VD)/(2a))(x + (b + VD)/(2a)) = 0$$

$$x + (b - VD)/(2a) = 0 \text{ или } x + (b + VD)/(2a) = 0$$

$$x = -(b - VD)/(2a) \quad x = -(b + VD)/(2a)$$

$$x = (-b + VD)/(2a) \quad x = (-b - VD)/(2a)$$



$$a * x^2 + b * x + c = 0$$

$$D = b^2 - 4ca$$

$$x = (-b + VD)/(2a)$$

$$x = (-b - VD)/(2a)$$

$$ax^3 + bx^2 + cx + d = 0$$

$$(k+t)^3 = k^3 + 3k^2t + 3kt^2 + t^3$$

$$x^3 + 3bx^2/3a + 3cx/3a + d/a = 0$$

$$t = b/3a \quad t^2 = b^2/9a^2$$

$$t^2 = c/3a$$

$$c/3a = b^2/9a^2 -$$