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

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

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

1) $x^2 + 2 * x + 1 = 0$
2) $x^2 - 6 * x + 9 = 0$
3) $x^2 -10 * x + 25 = 0$
4) $x^2 - 10 * x + 16 = 0$
5) $x^2 - 10 * x + 34 = 0$
6) $x^2 - 10 * x + 10 = 0$
7) $4x^2 - 12 * x + 9 = 0$
8) $25x^2 - 10 * x + 10 = 0$
9) $16x^2 - 24 * x + 10 = 0$
10) $2x^2 - 8 * x + 8 = 0$
11) $2x^2 - 12 * x + 18 = 0$
12) $27x^2 - 18 * x + 12 = 0$
13) $4x^2 - 24 * x + 36 = 0$
14) $4x^2 - 24 * x + 20 = 0$
15) $3x^2 - 12 * x - 4 = 0$
16) $3x^2 - 15 * x - 4 = 0$
17) $3x^2 - 15 * x - 27 = 0$
18) (!!!)(*) $a * x^2 + b * x + c = 0$

16x^2 - 24x + 10 = 0
(4x)^2 - 2(4x)3 + 3^2+1 = 0
(4x-3)^2+1=0
нету решений

10) $2x^2 - 8 * x + 8 = 0$
$x^2 - 4 * x + 4 = 0$
(x-2)^2=0
x-2=0
x=2
11) $2x^2 - 12 * x + 18 = 0$
$x^2 - 6 * x + 9 = 0$
(x-3)^2=0
(x-3)=0
x=3
12) $27x^2 - 18 * x + 12 = 0$
9x^2 - 6x + 4 = 0
*(3x)^2 - 2(3x)*1 + 1^2+3=0*
(3x-1)^2+3 = 0
нет решений
13) $4x^2 - 24 * x + 36 = 0$
x^2 - 6x + 9 = 0
x^2 - 3x2 + 3^2 = 0
(x-3)^2 = 0
x = 3
14) $4x^2 - 24 * x + 20 = 0$
x^2 - 6x + 5 = 0
x^2 - 2x3 + 3^2 - 4 = 0
(x-3)^2 - 4 = 0
(x-3)^2 - 2^2 = 0
((x-3)+2)((x-3)-2)=0
(x-3+2)(x-3-2)=0
(x-1)(x-5)=0
x=1 or x=5

15) $3x^2 - 12 * x - 4 = 0$
x^2 - 4x - 4/3 = 0
x^2 - 2(x)2 + 2^2 - 2^2 - 4/3= 0
(x-2)^2 - 4 - 4/3 = 0
(x-2)^2 - 12/3 - 4/3 = 0
(x-2)^2 - 16/3 = 0
(x-2)^2 - (V(16/3))^2 = 0
(x-2)^2 - (4/V3)^2 = 0
((x-2)+4/v3)((x-2)-4/v3) =0
(x-2+4/v3)(x-2-4/v3) = 0
(x-2+4/v3)=0 or (x-2-4/v3)=0
x = 2-4/v3 x=2+4/v3

16) $3x^2 - 15 * x - 4 = 0$
x^2 – 5 * x – 4/3 = 0
x^2 - 2x*5/2 + (5/2)^2 - (5/2)^2 - 4/3 = 0
(x-(5/2))^2 - 25/4 - 4/3=0
(x-(5/2))^2 - 75/12 - 16/12=0
(x-(5/2))^2 - 91/12=0
(x-(5/2))^2 - V(91/12)^2=0
((x-(5/2)) - V(91/12))((x-(5/2)) + V(91/12)) = 0
(x-(5/2) - V(91/12))(x-(5/2) + V(91/12)) = 0
(x-(5/2) - V(91/12)) = 0 or (x-(5/2) + V(91/12))=0
x=5/2 + v(91/12) x=(5/2) - v(91/12)

17) $3x^2 - 15 * x - 27 = 0$
$x^2 - 5 * x - 9 = 0$
x^2 - 2(x)5/2 + (5/2)^2 - (5/2)^2 - 9 = 0
(x-5/2)^2 - (25/4) - 9 = 0
(x-5/2)^2 - 25/4 - 36/4 = 0
(x-5/2)^2 - V(61/4)^2 = 0
((x-5/2) - V(61/4)) ((x-5/2) + v(61/4)) = 0
(x-5/2 - V61/2) (x-5/2 + v61/2) = 0
(x-5/2 - V61/2) = 0 or (x-5/2 + v61/2)=0
x= 5/2+v61/2 x=5/2 - v62/2
x = (5+v61)/2 x=(5-v61) / 2