

## Solutions of Quadratic Equations part15

Solve the following equations by factorization, the quadratic formula or otherwise

1)  $a(a + 10) = 0$

2)  $a(a - 15) = 0$

3)  $(b - 12)(b + 15) = 0$

4)  $(b - 25)(b - 20) = 0$

5)  $(3a + 27)(2a + 16) = 0$

6)  $(2a + 15)(4a - 17) = 0$

7)  $(6b - 30)(3b + 18) = 0$

8)  $(5b - 14)(2b - 9) = 0$

9)  $7x^2 - 252 = 0$

10)  $4x^2 - 576 = 0$

11)  $7x^2 - 63 = 0$

12)  $4x^2 - 100 = 0$

13)  $3x^2 + 25x = 0$

14)  $9x^2 + 14x = 0$

15)  $5x^2 - 12x = 0$

16)  $7x^2 - 22x = 0$

17)  $x^2 + 8x + 2x = -20 - 4$

18)  $x^2 + 5x - 1 - 19 = 3 + 1$

19)  $x^2 - 30 - 5 = 2x$

20)  $6x^2 + 5x - 3x = -10 + 18$

21)  $12x^2 - 13x - x = -5 + 15$

$$22) \quad 15x^2 - 3 + 4 = 8x$$