

## Solutions of Quadratic Equations part16

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

1)  $a(a + 14) = 0$

2)  $a(a - 18) = 0$

3)  $(b - 17)(b + 18) = 0$

4)  $(b - 23)(b - 19) = 0$

5)  $(4a + 28)(2a + 18) = 0$

6)  $(3a + 15)(4a - 12) = 0$

7)  $(6b - 36)(3b + 24) = 0$

8)  $(5b - 24)(2b - 19) = 0$

9)  $4a^2 - 324 = 0$

10)  $6a^2 - 150 = 0$

11)  $2x^2 - 98 = 0$

12)  $3x^2 - 108 = 0$

13)  $6x^2 + 25x = 0$

14)  $9x^2 + 24x = 0$

15)  $5x^2 - 22x = 0$

16)  $7x^2 - 23x = 0$

17)  $2x(4x + 3) = 35$

18)  $6x(6x + 4) - 96 = 0$

19)  $(6x + 1)(5x + 9) + 4 = 4$

20)  $(3x + 5)^2 - 8 = -8$

