

Solve each equation by factoring.

1. $(x + 1)(x - 5) = 0$

2. $10x(x - 9) = 0$

3. $(2x + 1)(3x + 4) = 0$

4. $(3x - 2)(4x - 1) = 0$

5. $x^2 - 11x + 24 = 0$

6. $x^2 + 7x + 10 = 0$

7. $x^2 - 25 = 0$

8. $x^2 + 3x - 18 = 0$

9. $x^2 + 10x + 24 = 0$

10. $x^2 - 2x = 0$

$$11. 6x^2 - 18x - 18 = 6$$

$$12. 7x^2 - 14x = -7$$

$$13. x^2 + 8x = -15$$

$$14. 5x^2 - 44x + 120 = -30 + 11r$$

$$15. -4x^2 - 8x - 3 = -3 - 5x^2$$

$$16. 4x^2 - 8x - 8 = 1 - 8x$$

$$17. x^2 + 5x - 35 = 3x$$

$$18. 3x^2 - 16x - 7 = 5$$

$$19. 7x^2 = -2x$$

$$20. 15x^2 - 3x = 3 - 7x$$