

Solve the following equations.

$$1. \quad x^2 + 6x + 5 = 0$$

$$14. \quad (t-5)^2 = 2(5-t)$$

$$2. \quad x^2 - 8x + 15 = 0$$

$$15. \quad 5x^2 - 26x + 5 = 0$$

$$3. \quad x^2 + 18x = 0$$

$$16. \quad 4x^2 - 4x = 15$$

$$4. \quad 6x^2 - 4x = 10$$

$$17. \quad 2x^2 + 7x = 15$$

$$5. \quad 1+x^2 = 2x$$

$$18. \quad x^2 = 3x + 18$$

$$6. \quad 5x^2 = 6x$$

$$19. \quad 6x^2 + 11x - 10 = 0$$

$$7. \quad 2y^2 + 12y = -10$$

$$20. \quad 5x^2 + 2x = 3$$

$$8. \quad t(3t+1) = 2$$

$$21. \quad 4x^2 + 11x = -6$$

$$9. \quad x^2 - 5x = 18 + 2x$$

$$22. \quad 4x^2 - 24x + 35 = 0$$

$$10. \quad x(x-5) = 14$$

$$23. \quad 5x^2 + 13x = 6$$

$$11. \quad 100y^2 = 49$$

$$24. \quad 3x(x+8) + 45 = 0$$

$$12. \quad 10x^2 + 12 = 23x$$

$$25. \quad 2x(3x+14) = 10$$

$$13. \quad 12x^2 + 17x = 5$$

$$26. \quad (x+3)(x-2) = 14$$