

Solve by taking the square root. (Remember, for this method, you can't have a "bx" term).

1. $x^2 = 9$

2. $x^2 = 121$

Solve using the factoring method. (Remember, not every quadratic equation is factorable).

11. $x^2 - 3x - 28 = 0$

3. $x^2 = -25$

4. $3x^2 = 48$

12. $x^2 - x = 6$

5. $-4x^2 = -100$

6. $x^2 - 5 = 4$

13. $x^2 - 13x + 22 = 0$

7. $x^2 + 10 = 59$

8. $2x^2 - 3 = -1$

14. $9x^2 - 25 = 0$

9. $(x - 3)^2 = 25$

10. $\frac{1}{2}(x + 7)^2 = 72$

15. $16x^2 - 49 = 0$

Solve by completing the square.

16. $x^2 - 4x = 32$

Solve by using the quadratic formula, $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

22. $x^2 - 5x - 14 = 0$

17. $x^2 + 8x = -12$

23. $2x^2 - 3x - 5 = 0$

18. $x^2 - 2x - 48 = 0$

24. $x^2 - 4x + 4 = 0$

19. $x^2 + 12x + 20 = 0$

25. $4x^2 + 8x + 3 = 0$

20. $x^2 - 8x + 21 = 6$

26. $2x^2 - 7x - 3 = 0$

21. $x^2 + 10x + 14 = -7$

27. $9x^2 = 4 + 7x$