

Skill: Solving Quadratic Equations**Investigation 3****Say It With Symbols****Solve each equation for x without using a table or graph.**

1. $(x + 5)(x - 3) = 0$

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

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

Solve each equation for x by factoring.

4. $x^2 + 5x + 6 = 0$

5. $b^2 - 7b - 18 = 0$

6. $r^2 - 4 = 0$

Solve each equation for x .

7. $(x - 9)(x + 8) = 0$

8. $x^2 - 9x - 10 = 0$

9. $(c - 21)(c + 21) = 0$

10. $(x - 12)(5x - 13) = 0$

11. $2a^2 - 21a - 65 = 0$

12. $x^2 + 6x - 91 = 0$