



Topic 12: Quadratic Equations

Questions 1 – 17 Solve the equation.

1. $x^2 = 81$

2. $x^2 - 121 = 0$

3. $(x + 7)^2 = 4$

4. $(8x - 3)^2 = 0$

5. $(5x + 10)^2 = 36$

6. $\frac{1}{10}x^2 = 10$

7. $(6 - x)^2 = 64$

8. $4(x - 9)^2 = 0$

9. $(x - 5)(x + 7) = 0$

10. $x^2 - 12x + 36 = 0$

11. $x^2 - 14x + 45 = 0$

12. $8x^2 + 22x + 15 = 0$

13. $2x^2 + 4x - 6 = 0$

14. $9x^2 + 6x - 24 = 0$

15. $9x^2 - 36 = 0$

16. $7x - 7x^3 = 0$

17. $2x^3 = 18x$