

SOLVING QUADRATICS REVIEW

METHOD 1: FACTORING

1. $x^2 - 6x - 40 = 0$

2. $x^2 - 14x + 49 = 0$

3. $10x^2 - 25 = x^2$

4. $12x^2 + 8x = 0$

5. $2x^2 + 80 = 26x$

6. $4x^2 + 5x + 1 = 0$

METHOD 2: SQUARE ROOTS

7. $x^2 = 225$

8. $4x^2 - 1 = 48$

9. $x^2 - 3 = 95$

10. $\frac{3}{4}x^2 + 1 = 31$

METHOD 3: COMPLETING THE SQUARE

11. $x^2 - 18x + 65 = 0$

12. $x^2 + 16x + 55 = 3$

13. $2x^2 + 9x = x - 14$

14. $9x^2 = 18x + 40$

METHOD 4: QUADRATIC FORMULA

15. $x^2 + 12x - 24 = 0$

16. $-x^2 - 3x + 9 = 0$

17. $-x^2 + 4x = 9$

18. $3x^2 - 9x = x - 5$