

Factor

1. $x^2 + 4x + 4$

2. $9x^2 - 30x + 25$

Simplify the radicals

3. $\sqrt{16}$

4. $\sqrt{32}$

5. $\sqrt{60}$

Solve each equation by taking the square root. Keep your answer in simplified radical form.

6. $5x^2 - 21 = 39$

7. $x^2 - 12 = 88$

8. $6x^2 - 21 = 33$

9. $-\frac{1}{3}x^2 + 6 = -26$

10. $5 - 2x^2 = -3$

11. $2x^2 + 13 = 29$