

Solve each equation by taking square roots.

1) $10 - 5a^2 = 5$

2) $3x^2 - 3 = 240$

Solve each equation by factoring.

3) $0 = 12a - a^2 - 35$

4) $x^2 = 64$

5) $2x^2 + 16 = -12x$

6) $2v^2 = 22v - 48$

Solve each equation with the quadratic formula.

7) $-11n^2 + 5n = -14$

8) $-4v^2 + 9 = 10v$

9) $x^2 - 4x + 14 = 4 + 4x^2 + x$

Solve each equation.

10) $|2n - 3| = 5$

11) $-2|10v - 5| = 0$

12) $-6 + |8x - 9| = 35$

