

Solving by Square Rooting

Solve each quadratic equation by taking the square root. Leave answers in simplified radical form.

1) $x^2 = 121$

2) $x^2 = 28$

3) $4x^2 - 24 = 0$

4) $4x^2 = 49$

5) $16x^2 - 9 = 0$

6) $\frac{1}{2}x^2 = 6$

7) $x^2 + 3 = 28$

8) $2x^2 - 3 = 13$

9) $4x^2 + 3 = 18$

10) $(x-4)^2 = 16$

11) $(x+2)^2 = 9$

12) $\frac{1}{3}(x-1)^2 = 12$