

Opening Radical and Rational

Solve each equation.

1) $k^{\frac{3}{2}} = 729$

2) $x^{\frac{1}{2}} = 9$

3) $\sqrt{x+1} = 5$

4) $\sqrt{n} = 5$

5) $\sqrt{2b-1} = \sqrt{3b-6}$

6) $\sqrt{2x-6} = \sqrt{x+2}$

7) $-5 \cdot (9x)^{\frac{3}{4}} = -135$

8) $152 = 5n^{\frac{5}{3}} - 8$