

Closing Radical and Rational

Solve each equation.

1) $5 = k^{\frac{1}{2}}$

2) $3 = x^{\frac{1}{4}}$

3) $5 = \sqrt{n+2}$

4) $\sqrt{n} = 4$

5) $4 = \sqrt{\frac{r}{3}}$

6) $9 = \sqrt{20v+1}$

7) $(3r)^{\frac{3}{2}} = 729$

8) $1024 = 2a^{\frac{3}{2}}$

9) $\sqrt{3m-12} = \sqrt{2m-5}$

10) $5 = \sqrt{x+2}$

11) $(n+22)^{\frac{2}{3}} = 9$

12) $729 = k^{\frac{3}{2}}$