Name

Radicals - Convert Square Root, Values and Variables, to Exponents - Positive

1 Convert the radical to a fractional exponent

$\sqrt{2p}$

A $4^{\frac{1}{2}} \cdot p^{\frac{1}{2}}$

B $2^{\frac{1}{2}} \cdot p^{\frac{1}{2}}$

C $2^{\frac{1}{2}} \cdot p^{\frac{2}{2}}$

D $2^{-\frac{1}{2}} \cdot p^{-\frac{1}{2}}$

2 Convert the radical to a fractional exponent

$\sqrt{2d^3}$

A $2^{\frac{1}{2}} \cdot d^{\frac{3}{2}}$

B $8^{\frac{1}{2}} \cdot d^{\frac{3}{2}}$

C $2^{-\frac{1}{2}} \cdot d^{-\frac{3}{2}}$

3 Convert the radical to a fractional exponent

$\sqrt{2c^3}$

A $4^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

B $2^{-\frac{1}{2}} \cdot c^{-\frac{3}{2}}$

C $2^{\frac{1}{2}} \cdot c^{\frac{4}{2}}$

D $6^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

E $2^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

4 Convert the radical to a fractional exponent

$\sqrt{7p^3}$

A $14^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

B $7^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

C $7^{\frac{1}{3}} \cdot p^{\frac{3}{3}}$

D $21^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

E $7^{\frac{1}{2}} \cdot p^{\frac{4}{2}}$

5 Convert the radical to a fractional exponent

$\sqrt{3c^3}$

A $9^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

B $6^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

C $3^{\frac{1}{2}} \cdot c^{\frac{4}{2}}$

D $3^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

E $12^{\frac{1}{2}} \cdot c^{\frac{3}{2}}$

6 Convert the radical to a fractional exponent

$\sqrt{2x^3}$

A $2^{-\frac{1}{2}} \cdot x^{-\frac{3}{2}}$

B $2^{\frac{1}{2}} \cdot x^{\frac{3}{2}}$

C $2^{\frac{1}{2}} \cdot x^{\frac{4}{2}}$

D $2^{\frac{1}{3}} \cdot x^{\frac{3}{3}}$

E $4^{\frac{1}{2}} \cdot x^{\frac{3}{2}}$

7 Convert the radical to a fractional exponent

$\sqrt{2p^3}$

A $4^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

B $2^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

C $2^{\frac{1}{3}} \cdot p^{\frac{3}{3}}$

D $8^{\frac{1}{2}} \cdot p^{\frac{3}{2}}$

8 Convert the radical to a fractional exponent

$\sqrt{2b^3}$

A $2^{\frac{1}{2}} \cdot b^{\frac{3}{2}}$

B $2^{\frac{1}{3}} \cdot b^{\frac{3}{3}}$

C $2^{-\frac{1}{2}} \cdot b^{-\frac{3}{2}}$

D $6^{\frac{1}{2}} \cdot b^{\frac{3}{2}}$