



Radicals - Convert Square Root, Values and Variables, from Exponents - Negative



1 Convert the fractional exponent to a radical

$$7^{-\frac{1}{2}} \cdot r^{-\frac{5}{2}} \cdot p^{-\frac{3}{2}}$$

A	$r^3 p \sqrt{6r^3 p}$	B	$\frac{1}{2r^2 p^2 \sqrt{7rp^2}}$
C	$\frac{1}{\sqrt{7r^5 p^3}}$	D	$\frac{1}{rp \sqrt{8rp}}$
E	$\frac{1}{r^3 p^3 \sqrt{9r^2 p}}$		

2 Convert the fractional exponent to a radical

$$7^{-\frac{1}{2}} \cdot x^{-\frac{5}{2}} \cdot p^{-\frac{1}{2}}$$

A	$\frac{1}{x^2 \sqrt{3xp^2}}$	B	$\frac{1}{3x^3 \sqrt{8xp}}$	C	$\frac{1}{3x \sqrt{7xp^2}}$	D	$x \sqrt{10xp}$	E	$\frac{1}{\sqrt{7x^5 p}}$
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3 Convert the fractional exponent to a radical

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

A	$\frac{1}{\sqrt{3c^3 p}}$	B	$3c \sqrt{2c^3 p^2}$
C	$\frac{1}{c^3 \sqrt{cp^3}}$	D	$\frac{1}{c \sqrt{3cp^2}}$
E	$\frac{1}{c \sqrt{cp^2}}$		

4 Convert the fractional exponent to a radical

$$7^{-\frac{1}{2}} \cdot y^{-\frac{3}{2}} \cdot z^{-\frac{3}{2}}$$

A	$\frac{1}{yz^3 \sqrt{10yz^2}}$	B	$\frac{1}{2yz \sqrt{9y^3 z^3}}$
C	$\frac{1}{y^2 z \sqrt{8yz}}$	D	$\frac{1}{\sqrt{7y^3 z^3}}$
E	$yz \sqrt{8y^2 z}$		

5 Convert the fractional exponent to a radical

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

A	$\frac{1}{\sqrt{3p^3 b}}$	B	$p^3 \sqrt{5pb^3}$	C	$\frac{1}{2p^2 \sqrt{3p^2 b}}$	D	$\frac{1}{p^2 \sqrt{2pb}}$	E	$\frac{1}{p \sqrt{6p^2 b}}$
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6 Convert the fractional exponent to a radical

$$2^{-\frac{1}{2}} \cdot b^{-\frac{1}{2}} \cdot n^{-\frac{5}{2}}$$

A	$\frac{1}{n^4 \sqrt{bn}}$	B	$\frac{1}{n^4 \sqrt{bn^2}}$
C	$\frac{1}{n^3 \sqrt{2b^2 n^3}}$	D	$\frac{1}{\sqrt{2bn^5}}$
E	$4n^3 \sqrt{4bn^2}$		

7 Convert the fractional exponent to a radical

$$2^{-\frac{1}{2}} \cdot p^{-\frac{5}{2}} \cdot y^{-\frac{3}{2}}$$

A	$\frac{1}{p^2 y^3 \sqrt{py^3}}$	B	$\frac{1}{\sqrt{2p^5 y^3}}$
C	$\frac{1}{2p^2 y^2 \sqrt{p^2 y}}$	D	$p^3 y \sqrt{p^3 y}$
E	$\frac{1}{py \sqrt{5py^3}}$		

8 Convert the fractional exponent to a radical

$$7^{-\frac{1}{2}} \cdot y^{-\frac{5}{2}} \cdot b^{-\frac{3}{2}}$$

A	$\frac{1}{\sqrt{7y^5 b^3}}$	B	$\frac{1}{2yb \sqrt{7y^3 b}}$
C	$\frac{1}{yb \sqrt{7y^3 b^3}}$	D	$\frac{1}{yb \sqrt{9y^2 b^2}}$
E	$3y^2 b \sqrt{7yb}$		