Fractional Exponents

Evaluate.

$81^{-\frac{3}{4}} =$

$8^{-\frac{4}{3}} =$

$25^{-\frac{3}{2}} =$

$49^{-\frac{1}{2}} =$

$27^{-\frac{2}{3}} =$

$16^{-\frac{5}{4}} =$

$36^{-\frac{3}{2}} =$

$32^{-\frac{3}{5}} =$

$125^{-\frac{2}{3}} =$

$4^{-\frac{5}{2}} =$

$16^{-\frac{3}{2}} =$

$64^{-\frac{2}{3}} =$

Fractional Exponents

Evaluate.

$81^{-\frac{3}{4}} = \frac{1}{27}$

$36^{-\frac{3}{2}} = \frac{1}{216}$

$8^{-\frac{4}{3}} = \frac{1}{16}$

$32^{-\frac{3}{5}} = \frac{1}{8}$

$25^{-\frac{3}{2}} = \frac{1}{125}$

$125^{-\frac{2}{3}} = \frac{1}{25}$

$49^{-\frac{1}{2}} = \frac{1}{7}$

$4^{-\frac{5}{2}} = \frac{1}{32}$

$27^{-\frac{2}{3}} = \frac{1}{9}$

$16^{-\frac{3}{2}} = \frac{1}{64}$

$16^{-\frac{5}{4}} = \frac{1}{32}$

$64^{-\frac{2}{3}} = \frac{1}{16}$