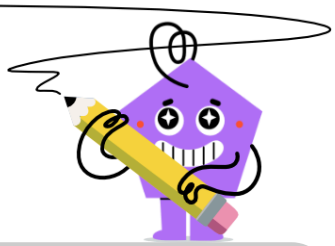
Name



Exponents - Negative Fractional Exponents with Square Integer Base - Exponent to Radical

1 Find the radical that is the same as this number raised to its exponent

$4^{\left(\frac{-1}{2}\right)}$

A $\sqrt{4}$

B $\frac{1}{4\sqrt{4}}$

C $\frac{1}{\sqrt{4}^2}$

D $\frac{1}{\sqrt{4}}$

E $\frac{1}{1}$

F $\frac{1}{2\sqrt{4}}$

2 Find the radical that is the same as this number raised to its exponent

$25^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{4\sqrt{25}}$

B $\frac{1}{\sqrt{25}}$

C $\frac{1}{2\sqrt{25}}$

D $\frac{1}{5\sqrt{25}}$

E $\frac{1}{3\sqrt{25}}$

F $\frac{1}{1}$

3 Find the radical that is the same as this number raised to its exponent

$16^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{3\sqrt{16}}$

B $\frac{1}{5\sqrt{16}}$

C $\frac{1}{\sqrt{16}^2}$

D $\frac{1}{\sqrt{16}}$

E $\sqrt{16}$

F $\frac{1}{1}$

4 Find the radical that is the same as this number raised to its exponent

$9^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{1}$

B $\frac{1}{\sqrt{9}^2}$

C $\frac{1}{4\sqrt{9}}$

D $\frac{1}{\sqrt{9}}$

E $\frac{1}{3\sqrt{9}}$

F $\frac{1}{5\sqrt{9}}$

5 Find the radical that is the same as this number raised to its exponent

$36^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{3\sqrt{36}}$

B $\frac{1}{\sqrt{4}}$

C $\frac{1}{\sqrt{36}}$

D $\frac{1}{1}$

E $\frac{1}{4\sqrt{36}}$

F $\frac{1}{\sqrt{36}^2}$