Exponents - Negative Fractional Exponents with Integer Base - Explanation to Radical

1 Given the hint, what is the fractional exponent the same as?

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

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

A	B	C	D	E	F
$\dfrac{1}{3\sqrt{36}}$	$\dfrac{1}{\sqrt{36}}$	$\dfrac{1}{1}$	$\dfrac{1}{\sqrt{36}^2}$	$\sqrt{36}$	$\dfrac{1}{2\sqrt{36}}$

2 Given the hint, what is the fractional exponent the same as?

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

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

A	B	C	D	E	F
$\dfrac{1}{\sqrt{16}^2}$	$\dfrac{1}{\sqrt{4}}$	$\dfrac{1}{\sqrt{16}}$	$\dfrac{1}{1}$	$\dfrac{1}{4\sqrt{16}}$	$\dfrac{1}{5\sqrt{16}}$

3 Given the hint, what is the fractional exponent the same as?

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

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

A	B	C
$\dfrac{1}{5\sqrt{4}}$	$\dfrac{1}{3\sqrt{4}}$	$\dfrac{1}{\sqrt{3}}$
D	**E**	**F**
$\dfrac{1}{\sqrt{4}}$	$\dfrac{1}{1}$	$\dfrac{1}{\sqrt{4}^2}$

4 Given the hint, what is the fractional exponent the same as?

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

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

A	B	C	D	E	F
$\dfrac{1}{3\sqrt{25}}$	$\dfrac{1}{1}$	$\dfrac{1}{2\sqrt{25}}$	$\dfrac{1}{\sqrt{2}}$	$\dfrac{1}{\sqrt{25}^2}$	$\dfrac{1}{\sqrt{25}}$

5 Given the hint, what is the fractional exponent the same as?

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

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

A	B	C
$\dfrac{1}{\sqrt{2}}$	$\dfrac{1}{5\sqrt{9}}$	$\dfrac{1}{\sqrt{9}}$
D	**E**	**F**
$\dfrac{1}{4\sqrt{9}}$	$\dfrac{1}{\sqrt{4}}$	$\dfrac{1}{1}$