Exponents - Negative Exponents, Negative Base (to Fraction Exponent Form)

Name

1 What is another way of representing this number raised to a negative exponent?

$$(-3)^{-2}$$

A $\dfrac{-1}{2^3}$ B $\dfrac{-1}{3^2}$ C $\dfrac{3}{2^3}$

D $\dfrac{3}{2^{-1}}$ E $\dfrac{1}{2^3}$ F $\dfrac{1}{3^2}$

2 What is another way of representing this number raised to a negative exponent?

$$(-7)^{-2}$$

A $\dfrac{7}{2^{-1}}$ B $\dfrac{1}{7^2}$ C $\dfrac{1}{2^7}$

D $\dfrac{-1}{2^7}$ E $\dfrac{-1}{7^2}$ F $\dfrac{7}{2^7}$

3 What is another way of representing this number raised to a negative exponent?

$$(-10)^{-2}$$

A $\dfrac{-1}{10^2}$ B $\dfrac{10}{2^{10}}$ C $\dfrac{1}{2^{10}}$

D $\dfrac{1}{10^2}$ E $\dfrac{10}{2^{-1}}$ F $\dfrac{-1}{2^{10}}$

4 What is another way of representing this number raised to a negative exponent?

$$(-4)^{-2}$$

A $\dfrac{4}{2^4}$ B $\dfrac{-1}{4^2}$ C $\dfrac{1}{4^2}$

D $\dfrac{1}{2^4}$ E $\dfrac{4}{2^{-1}}$ F $\dfrac{-1}{2^4}$

5 What is another way of representing this number raised to a negative exponent?

$$(-5)^{-2}$$

A $\dfrac{5}{2^5}$ B $\dfrac{1}{2^5}$ C $\dfrac{1}{5^2}$

D $\dfrac{-1}{2^5}$ E $\dfrac{-1}{5^2}$ F $\dfrac{5}{2^{-1}}$

6 What is another way of representing this number raised to a negative exponent?

$$(-8)^{-2}$$

A $\dfrac{1}{2^8}$ B $\dfrac{8}{2^{-1}}$ C $\dfrac{-1}{2^8}$

D $\dfrac{-1}{8^2}$ E $\dfrac{1}{8^2}$ F $\dfrac{8}{2^8}$

7 What is another way of representing this number raised to a negative exponent?

$$(-6)^{-2}$$

A $\dfrac{-1}{2^6}$ B $\dfrac{6}{2^6}$ C $\dfrac{6}{2^{-1}}$

D $\dfrac{1}{6^2}$ E $\dfrac{-1}{6^2}$ F $\dfrac{1}{2^6}$

8 What is another way of representing this number raised to a negative exponent?

$$(-9)^{-2}$$

A $\dfrac{1}{9^2}$ B $\dfrac{-1}{2^9}$ C $\dfrac{1}{2^9}$

D $\dfrac{-1}{9^2}$ E $\dfrac{9}{2^{-1}}$ F $\dfrac{9}{2^9}$