

Negative Exponents of Fractions

Name: _____ Score: _____

Calculate the following negative exponents.

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

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

$$\left(\frac{1}{3}\right)^{-3} =$$

$$\left(\frac{1}{6}\right)^{-2} =$$

$$\left(\frac{1}{5}\right)^{-2} =$$

$$\left(-\frac{1}{3}\right)^{-2} =$$

$$\left(\frac{1}{5}\right)^{-3} =$$

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

$$\left(\frac{1}{3}\right)^{-4} =$$

$$\left(-\frac{4}{8}\right)^{-6} =$$

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

$$\left(\frac{3}{12}\right)^{-4} =$$

$$\left(\frac{1}{2}\right)^{-5} =$$

$$\left(-\frac{1}{2}\right)^{-5} =$$

$$\left(\frac{6}{18}\right)^{-2} =$$

$$\left(\frac{5}{20}\right)^{-3} =$$

$$\left(\frac{1}{8}\right)^{-1} =$$

$$\left(-\frac{3}{15}\right)^{-3} =$$

$$\left(\frac{9}{18}\right)^{-8} =$$

$$\left(\frac{1}{9}\right)^{-3} =$$

$$\left(\frac{3}{6}\right)^{-1} =$$

Answers

Calculate the following negative exponents.

$$\left(\frac{1}{4}\right)^{-2} = 16$$

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

$$\left(\frac{1}{3}\right)^{-3} = 27$$

$$\left(\frac{1}{6}\right)^{-2} = 36$$

$$\left(\frac{1}{5}\right)^{-2} = 25$$

$$\left(-\frac{1}{3}\right)^{-2} = 9$$

$$\left(\frac{1}{5}\right)^{-3} = 125$$

$$\left(\frac{1}{4}\right)^{-4} = 256$$

$$\left(\frac{1}{3}\right)^{-4} = 81$$

$$\left(-\frac{4}{8}\right)^{-6} = 64$$

$$\left(\frac{2}{16}\right)^{-2} = 64$$

$$\left(\frac{3}{12}\right)^{-4} = 256$$

$$\left(\frac{1}{2}\right)^{-5} = 32$$

$$\left(-\frac{1}{2}\right)^{-5} = -32$$

$$\left(\frac{6}{18}\right)^{-2} = 9$$

$$\left(\frac{5}{20}\right)^{-3} = 64$$

$$\left(\frac{1}{8}\right)^{-1} = 8$$

$$\left(-\frac{3}{15}\right)^{-3} = -125$$

$$\left(\frac{9}{18}\right)^{-8} = 256$$

$$\left(\frac{1}{9}\right)^{-3} = 729$$

$$\left(\frac{3}{6}\right)^{-1} = 2$$