

Name : _____

Evaluating Exponents

Evaluate each expression.

1) $\left(\frac{1}{3}\right)^3 \cdot \left(\frac{6}{5}\right)^2$

2) $\left(\frac{2}{5}\right)^6 \div \left(\frac{5}{4}\right)^{-3}$

3) $\left(-\frac{5}{3}\right)^2 + \left(\frac{7}{3}\right)^5 \cdot \left(\frac{3}{7}\right)^4$

4) $\left(\frac{1}{2}\right)^{-4} - \left(\frac{1}{9}\right)^{-3}$

$\left(-\frac{2}{3}\right)^9 \cdot \left(-\frac{1}{3}\right)^{-8}$

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7) $\left(\frac{2}{7}\right)^7 \div \left(\frac{7}{4}\right)^{-6}$

$\left(\frac{1}{3}\right)^{-4} - \left(\frac{1}{6}\right)^{-3} \div \left(\frac{7}{6}\right)^{-2}$

10) $\left(\frac{4}{9}\right)^{-3} \cdot \left(-\frac{1}{8}\right)^{-2} \div \left(\frac{9}{4}\right)^2$

11) $\left(\frac{4}{7}\right)^5 \cdot \left(\frac{7}{8}\right)^4$

12) $\left(-\frac{2}{5}\right)^3 + \left(-\frac{1}{5}\right)^2$
