Name : _____

Reciprocals

Sheet 3

A) Find the reciprocal of the following in exponential form with the positive exponent.

1) $\left(\frac{3}{8}\right)^{-3}$ 2) 9^{2} 3) $\left(\frac{5}{4}\right)^{6}$

_____ _____ _____

B) Find the reciprocal of the following in exponential form with the negative exponent.

1) 2^{7} 2) $\left(\frac{1}{3}\right)^{-4}$ 3) 6^{-8}

_____ _____

C) 1) Check whether $\left(\frac{2}{7}\right)$

_____

2) If $x \cdot \left(\frac{2}{3}\right)^{3} = 8$, find ential form with the positive exponent.

_____

3) What is the multipl exponential form with the negative expor

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D) 1) Which of the following is the multiplicative inverse of 5^{-8} ?

i) $\frac{1}{5}$ ii) $\left(\frac{1}{5}\right)^{8}$ iii) 8^{5} iv) 5^{8}

2) What is the reciprocal of $\left(-\frac{1}{6}\right)^{9}$?

i) -6^{9} ii) $\left(\frac{1}{6}\right)^{-9}$ iii) $\left(\frac{1}{6}\right)^{9}$ iv) $\frac{1}{9}$