Name:

Date:

Zero and Negative Exponents

Evaluate the following expressions.

1) $8^{-3} =$

2) $7^{-2} =$

3) $5^{-2} =$

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

5) $4^{-2} = \ ?$

6) $(\frac{3}{4})^{-2} =$

7) $2^{-2} =$

8) $(\frac{2}{5})^{-3} = \ ?$

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

10) $5^{-3} = \ ?$

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1) $8^{-3} =$

$\frac{1}{512}$

2) $7^{-2} =$

$\frac{1}{49}$

3) $5^{-2} =$

$\frac{1}{25}$

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

4

5) $4^{-2} = \ ?$

$\frac{1}{16}$

6) $(\frac{3}{4})^{-2} =$

$\frac{16}{9}$

7) $2^{-2} =$

$\frac{1}{4}$

8) $(\frac{2}{5})^{-3} = \ ?$

$\frac{125}{8}$

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

2

10) $5^{-3} = \ ?$

$\frac{1}{125}$