

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $\left(\frac{13}{2}\right)^{-2} =$ _____

2) $2^{-7} =$ _____

3) $12^{-2} =$ _____

4) $2.5^{-4} =$ _____

5) $656^{-1} =$ _____

6) $\left(\frac{10}{8}\right)^{-2} =$ _____

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

8) $\left(\frac{9}{5}\right)^{-3} =$ _____

9) $0.002^{-2} =$ _____

10) $1.25^{-5} =$ _____

11) $0.5^{-1} =$ _____

12) $4^{-5} =$ _____

13) $0.14^0 =$ _____

14) $9^{-2} =$ _____

15) $1.0^{-2} =$ _____

16) $0.75^{-2} =$ _____

Evaluate the Exponents

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Solve the following expressions.

$$1) \left(\frac{13}{2}\right)^{-2} = \underline{\left(\frac{4}{169}\right)}$$

$$2) 2^{-7} = \underline{\left(\frac{1}{128}\right)}$$

$$3) 12^{-2} = \underline{\left(\frac{1}{144}\right)}$$

$$4) 2.5^{-4} = \underline{0.0256}$$

$$5) 656^{-1} = \underline{\left(\frac{1}{656}\right)}$$

$$6) \left(\frac{10}{8}\right)^{-2} = \underline{\left(\frac{16}{25}\right)}$$

$$7) \left(\frac{4}{2}\right)^{-2} = \underline{\left(\frac{1}{4}\right)}$$

$$8) \left(\frac{9}{5}\right)^{-3} = \underline{\left(\frac{125}{729}\right)}$$

$$9) 0.002^{-2} = \underline{250000}$$

$$10) 1.25^{-5} = \underline{0.32768}$$

$$11) 0.5^{-1} = \underline{2}$$

$$12) 4^{-5} = \underline{\left(\frac{1}{1024}\right)}$$

$$13) 0.14^0 = \underline{1}$$

$$14) 9^{-2} = \underline{\left(\frac{1}{81}\right)}$$

$$15) 1.0^{-2} = \underline{1}$$

$$16) 0.75^{-2} = \underline{1.7778}$$