



Zero and Negative Exponents

Name: _____

Date: _____



Evaluate the following expressions.

1) $\left(\frac{1}{4}\right)^0 =$

2) $(3)^{-4} =$

3) $(0.578)^0 =$

4) $(11)^0 =$

5) $(9)^{-2} =$

6) $(4)^{-3} =$

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

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

9) $(2x^6)^0 =$

10) $(0.8)^{-3} =$

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

12) $(0.5)^{-2} =$

13) $(0.01)^{-2} =$

14) $(2n^3)^0 =$



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Answers



Evaluate the following expressions.

1) $\left(\frac{1}{4}\right)^0 = 1$

2) $(3)^{-4} = \frac{1}{81}$

3) $(0.578)^0 = 1$

4) $(11)^0 = 1$

5) $(9)^{-2} = \frac{1}{81}$

6) $(4)^{-3} = \frac{1}{64}$

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

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

9) $(2x^6)^0 = 1$

10) $(0.8)^{-3} = \frac{1000}{512}$

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

12) $(0.5)^{-2} = 4$

13) $(0.01)^{-2} = 10000$

14) $(2n^3)^0 = 1$



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