

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $7^0 = \underline{\quad 1 \quad}$

2) $(2)^{-2} = \underline{\hspace{2cm}}$

3) $(7)^1 = \underline{\hspace{2cm}}$

4) $(16)^3 = \underline{\hspace{2cm}}$

5) $(-19)^3 = \underline{\hspace{2cm}}$

6) $(12)^{-4} = \underline{\hspace{2cm}}$

7) $(7)^{-4} = \underline{\hspace{2cm}}$

8) $(-9)^6 = \underline{\hspace{2cm}}$

9) $7^6 = \underline{\hspace{2cm}}$

10) $(2)^{-7} = \underline{\hspace{2cm}}$

11) $(-3)^4 = \underline{\hspace{2cm}}$

12) $(5)^{-3} = \underline{\hspace{2cm}}$

13) $(6)^0 = \underline{\hspace{2cm}}$

14) $(-14)^3 = \underline{\hspace{2cm}}$

15) $(8)^{-6} = \underline{\hspace{2cm}}$

16) $(-3)^5 = \underline{\hspace{2cm}}$

17) $(5)^{-5} = \underline{\hspace{2cm}}$

18) $(17)^3 = \underline{\hspace{2cm}}$

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- | | | | | | | | |
|-----|------------|---|------------------------|-----|-------------|---|-------------------------|
| 1) | 7^0 | = | $\frac{1}{\quad}$ | 2) | $(2)^{-2}$ | = | $\frac{1}{4}$ |
| 3) | $(7)^1$ | = | $\frac{7}{\quad}$ | 4) | $(16)^3$ | = | $\frac{4096}{\quad}$ |
| 5) | $(-19)^3$ | = | $\frac{-6859}{\quad}$ | 6) | $(12)^{-4}$ | = | $\frac{1}{20736}$ |
| 7) | $(7)^{-4}$ | = | $\frac{1}{2401}$ | 8) | $(-9)^6$ | = | $\frac{-531441}{\quad}$ |
| 9) | 7^6 | = | $\frac{117649}{\quad}$ | 10) | $(2)^{-7}$ | = | $\frac{1}{128}$ |
| 11) | $(-3)^4$ | = | $\frac{-81}{\quad}$ | 12) | $(5)^{-3}$ | = | $\frac{1}{125}$ |
| 13) | $(6)^0$ | = | $\frac{1}{\quad}$ | 14) | $(-14)^3$ | = | $\frac{-2744}{\quad}$ |
| 15) | $(8)^{-6}$ | = | $\frac{1}{262144}$ | 16) | $(-3)^5$ | = | $\frac{-243}{\quad}$ |
| 17) | $(5)^{-5}$ | = | $\frac{1}{3125}$ | 18) | $(17)^3$ | = | $\frac{4913}{\quad}$ |