

# Evaluate the Exponents

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve the following expressions.

1)  $28^0 =$  \_\_\_\_\_

2)  $23^{-4} =$  \_\_\_\_\_

3)  $19^{-3} =$  \_\_\_\_\_

4)  $41^{-2} =$  \_\_\_\_\_

5)  $4^{-9} =$  \_\_\_\_\_

6)  $26^{-3} =$  \_\_\_\_\_

7)  $1^{-13} =$  \_\_\_\_\_

8)  $22^{-3} =$  \_\_\_\_\_

9)  $5^{-8} =$  \_\_\_\_\_

10)  $3^{-11} =$  \_\_\_\_\_

11)  $7^{-7} =$  \_\_\_\_\_

12)  $2^{-20} =$  \_\_\_\_\_

13)  $40^0 =$  \_\_\_\_\_

14)  $20^{-4} =$  \_\_\_\_\_

15)  $28^{-4} =$  \_\_\_\_\_

16)  $32^{-2} =$  \_\_\_\_\_

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Solve the following expressions.

- |     |           |   |                          |     |           |   |                       |
|-----|-----------|---|--------------------------|-----|-----------|---|-----------------------|
| 1)  | $28^0$    | = | $\frac{1}{\hspace{2cm}}$ | 2)  | $23^{-4}$ | = | $\frac{1}{(279841)}$  |
| 3)  | $19^{-3}$ | = | $\frac{1}{(6859)}$       | 4)  | $41^{-2}$ | = | $\frac{1}{(1681)}$    |
| 5)  | $4^{-9}$  | = | $\frac{1}{(262144)}$     | 6)  | $26^{-3}$ | = | $\frac{1}{(17576)}$   |
| 7)  | $1^{-13}$ | = | $\frac{1}{\hspace{2cm}}$ | 8)  | $22^{-3}$ | = | $\frac{1}{(10648)}$   |
| 9)  | $5^{-8}$  | = | $\frac{1}{(390625)}$     | 10) | $3^{-11}$ | = | $\frac{1}{(177147)}$  |
| 11) | $7^{-7}$  | = | $\frac{1}{(823543)}$     | 12) | $2^{-20}$ | = | $\frac{1}{(1048576)}$ |
| 13) | $40^0$    | = | $\frac{1}{\hspace{2cm}}$ | 14) | $20^{-4}$ | = | $\frac{1}{(160000)}$  |
| 15) | $28^{-4}$ | = | $\frac{1}{(614656)}$     | 16) | $32^{-2}$ | = | $\frac{1}{(1024)}$    |