

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

1) $16^{-4} =$ _____

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

3) $9^{-5} =$ _____

4) $4^{-9} =$ _____

5) $5^{-6} =$ _____

6) $13^{-4} =$ _____

7) $1^{-18} =$ _____

8) $3^{-11} =$ _____

9) $6^{-7} =$ _____

10) $5^{-7} =$ _____

11) $8^{-5} =$ _____

12) $2^{-16} =$ _____

13) $35^0 =$ _____

14) $11^{-4} =$ _____

15) $9^{-4} =$ _____

16) $4^{-10} =$ _____

Evaluate the Exponents

Name: _____

Date: _____

Solve the following expressions.

$$1) \quad 16^{-4} = \frac{\left(\frac{1}{65536}\right)}{\underline{\hspace{2cm}}}$$

$$2) \quad 2^{-15} = \frac{\left(\frac{1}{32768}\right)}{\underline{\hspace{2cm}}}$$

$$3) \quad 9^{-5} = \frac{\left(\frac{1}{59049}\right)}{\underline{\hspace{2cm}}}$$

$$4) \quad 4^{-9} = \frac{\left(\frac{1}{262144}\right)}{\underline{\hspace{2cm}}}$$

$$5) \quad 5^{-6} = \frac{\left(\frac{1}{15625}\right)}{\underline{\hspace{2cm}}}$$

$$6) \quad 13^{-4} = \frac{\left(\frac{1}{28561}\right)}{\underline{\hspace{2cm}}}$$

$$7) \quad 1^{-18} = \frac{1}{\underline{\hspace{2cm}}}$$

$$8) \quad 3^{-11} = \frac{\left(\frac{1}{177147}\right)}{\underline{\hspace{2cm}}}$$

$$9) \quad 6^{-7} = \frac{\left(\frac{1}{279936}\right)}{\underline{\hspace{2cm}}}$$

$$10) \quad 5^{-7} = \frac{\left(\frac{1}{78125}\right)}{\underline{\hspace{2cm}}}$$

$$11) \quad 8^{-5} = \frac{\left(\frac{1}{32768}\right)}{\underline{\hspace{2cm}}}$$

$$12) \quad 2^{-16} = \frac{\left(\frac{1}{65536}\right)}{\underline{\hspace{2cm}}}$$

$$13) \quad 35^0 = \frac{1}{\underline{\hspace{2cm}}}$$

$$14) \quad 11^{-4} = \frac{\left(\frac{1}{14641}\right)}{\underline{\hspace{2cm}}}$$

$$15) \quad 9^{-4} = \frac{\left(\frac{1}{6561}\right)}{\underline{\hspace{2cm}}}$$

$$16) \quad 4^{-10} = \frac{\left(\frac{1}{1048576}\right)}{\underline{\hspace{2cm}}}$$