

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

1) $7y^4 \times 3y^{-3} = \underline{21y}$

2) $5p \times 5p^3 = \underline{\hspace{2cm}}$

3) $\left(\frac{4}{5}\right)^5 \times \left(\frac{4}{5}\right)^5 = \underline{\hspace{2cm}}$

4) $2rs^2 \times 3r^{-5}s^{-2} = \underline{\hspace{2cm}}$

5) $6c^3 \times 7c^{-2} \times 3c^{-7} = \underline{\hspace{2cm}}$

6) $2mn^2 \times 3m^2n^2 = \underline{\hspace{2cm}}$

7) $\left(\frac{1}{2y}\right)^4 \times \left(\frac{1}{2y}\right)^2 = \underline{\hspace{2cm}}$

8) $b^2 \times 3b^{-2} \times 2b^2 = \underline{\hspace{2cm}}$

9) $3z^2 \times 3z^3 = \underline{\hspace{2cm}}$

10) $\left(\frac{1}{7}\right)^2 \times \left(\frac{1}{7}\right)^2 = \underline{\hspace{2cm}}$

11) $10n^{-6} \times n^7 = \underline{\hspace{2cm}}$

12) $2s^2 \times 3s^{-6} = \underline{\hspace{2cm}}$

13) $6x^2 \times 2x^4 = \underline{\hspace{2cm}}$

14) $\left(\frac{8p}{4p}\right)^4 \times \left(\frac{2p}{p}\right)^4 = \underline{\hspace{2cm}}$

15) $\left(\frac{2}{3b}\right)^4 \times \left(\frac{2}{3b}\right)^2 = \underline{\hspace{2cm}}$

16) $b^5 \times b^{-11} = \underline{\hspace{2cm}}$

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

$$1) 7y^4 \times 3y^{-3} = \underline{21y}$$

$$2) 5p \times 5p^3 = \underline{25p^4}$$

$$3) \left(\frac{4}{5}\right)^5 \times \left(\frac{4}{5}\right)^5 = \underline{\left(\frac{4}{5}\right)^{10}}$$

$$4) 2rs^2 \times 3r^{-5}s^{-2} = \underline{\frac{6}{r^4}}$$

$$5) 6c^3 \times 7c^{-2} \times 3c^{-7} = \underline{\frac{126}{c^6}}$$

$$6) 2mn^2 \times 3m^2n^2 = \underline{6m^3n^4}$$

$$7) \left(\frac{1}{2y}\right)^4 \times \left(\frac{1}{2y}\right)^2 = \underline{\left(\frac{1}{2y}\right)^6}$$

$$8) b^2 \times 3b^{-2} \times 2b^2 = \underline{6b^2}$$

$$9) 3z^2 \times 3z^3 = \underline{9z^5}$$

$$10) \left(\frac{1}{7}\right)^2 \times \left(\frac{1}{7}\right)^2 = \underline{\left(\frac{1}{7}\right)^4}$$

$$11) 10n^{-6} \times n^7 = \underline{10n}$$

$$12) 2s^2 \times 3s^{-6} = \underline{\frac{6}{s^4}}$$

$$13) 6x^2 \times 2x^4 = \underline{12x^6}$$

$$14) \left(\frac{8p}{4p}\right)^4 \times \left(\frac{2p}{p}\right)^4 = \underline{2^8}$$

$$15) \left(\frac{2}{3b}\right)^4 \times \left(\frac{2}{3b}\right)^2 = \underline{\left(\frac{2}{3b}\right)^6}$$

$$16) b^5 \times b^{-11} = \underline{\frac{1}{b^6}}$$