

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

1) $b^6c^2 \times 6b^3c^4 =$ _____

2) $\frac{4x^{-2}y^2}{3x^{-2}} =$ _____

3) $9s \times 5s^6 =$ _____

4) $6a^{-6}b^3 \times 5ab^{-4} =$ _____

5) $r^6n^{-6} \times 9r^{-3}n^4 =$ _____

6) $\frac{3h^{-4}}{4h^2} =$ _____

7) $\frac{5c^{-4}d^2}{3c^4d^{-2}} =$ _____

8) $\frac{4h^6}{2h} =$ _____

9) $\frac{g}{g^2} =$ _____

10) $k^5 \times k^3 =$ _____

11) $rn \times 3r^6n^5 =$ _____

12) $g^5h^{-6} \times 7g^{-4}h^6 =$ _____

13) $\frac{7b^5c^6}{2b^3c^2} =$ _____

14) $\frac{9x^{-5}y^5}{5x^2y^{-2}} =$ _____

15) $\frac{3ab^5}{5a^6b^2} =$ _____

16) $\frac{7k^5}{3k^2} =$ _____

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Evaluate the Exponents.

$$1) \quad b^6 c^2 \times 6b^3 c^4 = \underline{6b^9 c^6} \qquad 2) \quad \frac{4x^{-2}y^2}{3x^{-2}} = \underline{\frac{4y^2}{3}}$$

$$3) \quad 9s \times 5s^6 = \underline{45s^7} \qquad 4) \quad 6a^{-6}b^3 \times 5ab^{-4} = \underline{\frac{30}{a^5b}}$$

$$5) \quad r^6 n^{-6} \times 9r^{-3} n^4 = \underline{\frac{9r^3}{n^2}} \qquad 6) \quad \frac{3h^{-4}}{4h^2} = \underline{\frac{3}{4h^6}}$$

$$7) \quad \frac{5c^{-4}d^2}{3c^4d^{-2}} = \underline{\frac{5d^4}{3c^8}} \qquad 8) \quad \frac{4h^6}{2h} = \underline{2h^5}$$

$$9) \quad \frac{g}{g^2} = \underline{\frac{1}{g}} \qquad 10) \quad k^5 \times k^3 = \underline{k^8}$$

$$11) \quad rn \times 3r^6 n^5 = \underline{3r^7 n^6} \qquad 12) \quad g^5 h^{-6} \times 7g^{-4} h^6 = \underline{7g}$$

$$13) \quad \frac{7b^5 c^6}{2b^3 c^2} = \underline{\frac{7b^2 c^4}{2}} \qquad 14) \quad \frac{9x^{-5}y^5}{5x^2y^{-2}} = \underline{\frac{9y^7}{5x^7}}$$

$$15) \quad \frac{3ab^5}{5a^6b^2} = \underline{\frac{3b^3}{5a^5}} \qquad 16) \quad \frac{7k^5}{3k^2} = \underline{\frac{7k^3}{3}}$$