

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

1) $4^{-5} \times 4^4 =$ _____

2) $\frac{2cb^{-5}}{9c^{-6}b^7} =$ _____

3) $\frac{6ab^6}{8a^5b^4} =$ _____

4) $\frac{3mn^3}{4m^5n^6} =$ _____

5) $c^5 \times c^2 \times c^4 =$ _____

6) $2mn^2 \times 3m^2n^2 =$ _____

7) $\left(\frac{1}{2}\right)^5 \times \left(\frac{1}{2}\right)^6 =$ _____

8) $s^2 \times 3s^{-2} \times 2s^{-4} =$ _____

9) $w^2 \times w^{-3} \times w^{-5} =$ _____

10) $\frac{7^4}{7^5} =$ _____

11) $\frac{8c^2}{4c^4a^5} =$ _____

12) $\frac{4r^2s^2}{16r^8s^7} =$ _____

13) $10n^{-2} \times 2n^8 =$ _____

14) $c^6b^5 \times 3c^4b^2 \times 6cb^4 =$ _____

15) $\left(\frac{1}{k}\right)^5 \times \left(\frac{1}{k}\right)^4 =$ _____

16) $\frac{2r}{8r^4} =$ _____

Exponents

Name: _____

Date: _____

Evaluate the Exponents.

1) $4^{-5} \times 4^4 = \frac{1}{4}$

2) $\frac{2cb^{-5}}{9c^{-6}b^7} = \frac{2c^7}{9b^{12}}$

3) $\frac{6ab^6}{8a^5b^4} = \frac{3b^2}{4a^4}$

4) $\frac{3mn^3}{4m^5n^6} = \frac{3}{4m^4n^3}$

5) $c^5 \times c^2 \times c^4 = c^{11}$

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

7) $\left(\frac{1}{2}\right)^5 \times \left(\frac{1}{2}\right)^6 = \left(\frac{1}{2}\right)^{11}$

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

9) $w^2 \times w^{-3} \times w^{-5} = \frac{1}{w^6}$

10) $\frac{7^4}{7^5} = \frac{1}{7}$

11) $\frac{8c^2}{4c^4a^5} = \frac{2}{c^2a^5}$

12) $\frac{4r^2s^2}{16r^8s^7} = \frac{1}{4r^6s^5}$

13) $10n^{-2} \times 2n^8 = 20n^6$

14) $c^6b^5 \times 3c^4b^2 \times 6cb^4 = 18c^{11}b^{11}$

15) $\left(\frac{1}{k}\right)^5 \times \left(\frac{1}{k}\right)^4 = \left(\frac{1}{k}\right)^9$

16) $\frac{2r}{8r^4} = \frac{1}{4r^3}$