

Name : _____

Score : _____

Teacher : _____

Date : _____

Exponents with Multiplication and Division *A*

Simplify. Your answer should contain only positive exponents.

1) $\frac{g}{g^4}$

7) $\frac{7z^4}{2z^2}$

2) $\frac{9d^5}{8d^2n^4}$

8) $w^6 \cdot w^5$

3) $7b^2 \cdot 9b^5w^4$

9) $9k^6w^2 \cdot 8kw^5$

4) $\frac{w^5}{w^2}$

10) $\frac{3s^2g^4}{4sg^3}$

5) $\left(\frac{1}{y}\right)^5 \cdot \left(\frac{1}{y}\right)^2 \cdot \left(\frac{1}{y}\right)^3$

11) $yc \cdot 9y^5c^3$

6) $\frac{2z^3}{4z}$

12) $2 \cdot 2^3$



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Exponents with Multiplication and Division *B*

Simplify. Your answer should contain only positive exponents.

1) $\frac{4^5}{4}$

7) $\frac{5y^{-4}}{6y}$

2) $9^{-3} \cdot 9^2$

8) $\frac{2^{-4}}{2}$

3) $rc \cdot 5r^6c^3$

9) $\frac{9r}{5r^2}$

4) $\left(\frac{1}{2}\right)^6 \cdot \left(\frac{1}{2}\right)^3$

10) $5 \cdot 5^6$

5) $\frac{9d^5z^2}{2d^6z^3}$

11) $z \cdot z^{-3}$

6) $5k \cdot 8k^{-6}$

12) $\frac{8yh^{-3}}{2y^{-6}h^4}$

