

Name : _____

Score : _____

Teacher : _____

Date : _____

Exponents with Multiplication and Division

Simplify. Your answer should contain only positive exponents.

1) $\frac{6h^4}{3h^2}$

7) $6g^2 \cdot 2g^5 \cdot 8g^6$

2) $7b^4y^6 \cdot 8b^3y^5$

8) $\frac{hb}{9h^4b^6}$

3) $\frac{3k^2c^4}{6kc^5}$

9) $c^2 \cdot c^6 \cdot c^4$

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

10) $b \cdot b^2$

5) $\frac{z^3}{z^2}$

11) $8w^2b^4 \cdot 6wb^3$

6) $\frac{5n^4g^5}{8n^2g^3}$

12) $\frac{8ny^6}{4n^5y^2}$



Name : _____

Score : _____

Teacher : _____

Date : _____

Exponents with Multiplication and Division

Simplify. Your answer should contain only positive exponents.

1) $\frac{6h^4}{3h^2}$

$2h^2$

2) $7b^4y^6 \cdot 8b^3y^5$

$56b^7y^{11}$

3) $\frac{3k^2c^4}{6kc^5}$

$\frac{k}{2c}$

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

$\left(\frac{1}{h}\right)^5$

5) $\frac{z^3}{z^2}$

z

6) $\frac{5n^4g^5}{8n^2g^3}$

$\frac{5n^2g^2}{8}$

7) $6g^2 \cdot 2g^5 \cdot 8g^6$

$96g^{13}$

8) $\frac{hb}{9h^4b^6}$

$\frac{1}{9h^3b^5}$

9) $c^2 \cdot c^6 \cdot c^4$

c^{12}

10) $b \cdot b^2$

b^3

11) $8w^2b^4 \cdot 6wb^3$

$48w^3b^7$

12) $\frac{8ny^6}{4n^5y^2}$

$\frac{2y^4}{n^4}$

