

Name : _____

Score : _____

Teacher : _____

Date : _____

Operations with Exponents

Simplify the exponents.

1) $(4d \cdot 2d^3)^2$

7) $\left(\frac{2^3}{2^4}\right)^3$

2) $c^5k^4 \cdot 4c^6k^2 \cdot 7ck^6$

8) $\frac{7s^5g^2}{5s^4g^6}$

3) $\frac{8g^4h^3}{2gh^5}$

9) $c^3 \cdot c^2$

4) $(6g^2d)^6$

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

5) $\left(\frac{3s^3}{8s^2z^4}\right)^3$

11) $\left(\frac{8d^6}{4d}\right)^3$

6) $\frac{4k^5}{6k^6}$

12) $(7c^6h^5)^6$

