

Name : _____

Score : _____

Teacher : _____

Date : _____

Operations with Exponents

Simplify the exponents.

1) $\left(\frac{7^5}{7}\right)^3$

7) $(3s \cdot 4s^2 \cdot s^3)^2$

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

8) $\left(\frac{8b}{2b^5}\right)^2$

3) $2r \cdot 6r^{-4}$

9) $\left(\frac{8^2}{8^6}\right)^2$

4) $(3w^3 \cdot w \cdot 2)^2$

10) $(7gw^5)^5$

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

11) $dh \cdot 8d^3h^2$

6) $\frac{2b^2}{6b}$

12) $\frac{h^6}{h^5}$



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Operations with Exponents

Simplify the exponents.

1) $\left(\frac{7^5}{7}\right)^3$

7^{12}

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

$12c^3$

3) $2r \cdot 6r^{-4}$

$\frac{12}{r^3}$

4) $(3w^3 \cdot w \cdot 2)^2$

$36w^8$

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

$\frac{1}{8^3}$

6) $\frac{2b^2}{6b}$

$\frac{b}{3}$

7) $(3s \cdot 4s^2 \cdot s^3)^2$

$144s^{12}$

8) $\left(\frac{8b}{2b^5}\right)^2$

$\frac{16}{b^8}$

9) $\left(\frac{8^2}{8^6}\right)^2$

$\frac{1}{8^8}$

10) $(7gw^5)^5$

$16807g^5w^{25}$

11) $dh \cdot 8d^3h^2$

$8d^4h^3$

12) $\frac{h^6}{h^5}$

h

