Name : _____ Score : _____

Teacher : _____ Date : _____

Operations with Exponents

Simplify the exponents.

1) $\frac{7s^{-9}}{3s}$

2) $\left(\frac{1}{s}\right)^{5} \cdot \left(\frac{1}{s}\right)^{2} \cdot \left(\frac{1}{s}\right)^{4}$

3) $\left(4cb^{6}\right)^{5}$

4) $\frac{9cy^{4}}{5c^{5}y^{9}}$

5) $\left(\frac{br}{3b^{4}r^{2}}\right)^{2}$

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

7) $\left(2c \cdot 3c^{3} \cdot c^{2}\right)^{2}$

8) $6g^{2} \cdot 4g^{4}c^{5}$

9) $\left(\frac{7g^{5}n^{4}}{3gn^{2}}\right)^{2}$

10) $8k \cdot 6k^{-3}$

11) $\frac{3g^{4}}{4g^{9}}$

12) $\left(5y^{4}z\right)^{4}$

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