

Name : _____

Score : _____

Teacher : _____

Date : _____

Exponents and Multiplication

Simplify. Your answer should contain only positive exponents.

1) $9^4 \cdot 9^3$

8) $\left(\frac{1}{k}\right)^3 \cdot \left(\frac{1}{k}\right)^4 \cdot \left(\frac{1}{k}\right)^5$

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

9) $5z^5 \cdot 6z^{-3} \cdot 3z^6$

3) $r^3s^{-2} \cdot 8r^{-3}s^4 \cdot 4rs^5$

10) $9 \cdot 9^{-6}$

4) $7y \cdot 2y^2$

11) $9b \cdot 6b^3$

5) $\left(\frac{1}{5}\right)^4 \cdot \left(\frac{1}{5}\right)^3 \cdot \left(\frac{1}{5}\right)^2$

12) $9s^4 \cdot 7s^{-2}$

6) $5d^3n^6 \cdot 4dn^4$

13) $2d^3c^6 \cdot 8d^5c^2$

7) $8nr^4 \cdot 9n^{-6}r^3$

14) $s^2 \cdot s^6$

