

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Powers of Products

**Simplify. Your answer should contain only positive exponents.**

1)  $(6w^6)^3$

8)  $(4c^2 \cdot c^3)^2$

2)  $(2h \cdot 3h^3)^2$

9)  $(g \cdot 2g^2)^3$

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

10)  $(4n^2 \cdot n)^3$

4)  $(4hr^2)^2$

11)  $(s \cdot 3s^3 \cdot s^3)^2$

5)  $(4w^3 \cdot w^2 \cdot 3w)^2$

12)  $(3d^2 \cdot 4d)^3$

6)  $(4z^3 \cdot 3z \cdot z^2)^2$

13)  $(2z^2 \cdot 3z^3 \cdot z)^2$

7)  $(2d^2y)^2$

14)  $(3y^2 \cdot y \cdot 4)^3$

