

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

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

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## Exponents and Division

Simplify. Your answer should contain only positive exponents.

1)  $\frac{zk}{2z^{-5}k^{-4}}$

7)  $\frac{4yg^{-4}}{9y^{-2}g^2}$

2)  $\frac{sc}{7s^3c^5}$

8)  $\frac{7^6}{7^{-2}}$

3)  $\frac{7w^{-5}}{8w}$

9)  $\frac{9^6}{9^2}$

4)  $\frac{2k^6}{9k^5w^2}$

10)  $\frac{7s^5}{3s^4}$

5)  $\frac{9h^6}{4h}$

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

6)  $\frac{9c^{-5}}{2c^5d^{-2}}$

12)  $\frac{4r^4s^2}{7rs^5}$

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## Exponents and Division

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

$$1) \frac{zk}{2z^{-5}k^{-4}} \cdot \frac{z^6k^5}{2}$$

$$7) \frac{4yg^{-4}}{9y^{-2}g^2} \cdot \frac{4y^3}{9g^6}$$

$$2) \frac{sc}{7s^3c^5} \cdot \frac{1}{7s^2c^4}$$

$$8) \frac{7^6}{7^{-2}} \cdot 7^8$$

$$3) \frac{7w^{-5}}{8w} \cdot \frac{7}{8w^6}$$

$$9) \frac{9^6}{9^2} \cdot 9^4$$

$$4) \frac{2k^6}{9k^5w^2} \cdot \frac{2k}{9w^2}$$

$$10) \frac{7s^5}{3s^4} \cdot \frac{7s}{3}$$

$$5) \frac{9h^6}{4h} \cdot \frac{9h^5}{4}$$

$$11) \frac{9z}{4z^3} \cdot \frac{9}{4z^2}$$

$$6) \frac{9c^{-5}}{2c^5d^{-2}} \cdot \frac{9d^2}{2c^{10}}$$

$$12) \frac{4r^4s^2}{7rs^5} \cdot \frac{4r^3}{7s^3}$$