

# Exponents

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

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

## Evaluate the Exponents.

1)  $\frac{wk}{7w^{-2}k^{-5}} =$  \_\_\_\_\_

2)  $\frac{24t^{11}}{8t^{-8}} =$  \_\_\_\_\_

3)  $\frac{4g^6}{16g^{-2}h^4} =$  \_\_\_\_\_

4)  $\frac{3zx^2y^4}{9x^{-6}} =$  \_\_\_\_\_

5)  $\frac{8r^{-5}}{6r^3} =$  \_\_\_\_\_

6)  $\frac{18x^4y^{14}}{3x^{-9}y^5} =$  \_\_\_\_\_

7)  $\frac{22a^{-2}b^{-2}}{11a^{-7}b^{-8}} =$  \_\_\_\_\_

8)  $\frac{6r^3}{2r} =$  \_\_\_\_\_

9)  $\frac{3z^{-3}}{9z^4} =$  \_\_\_\_\_

10)  $\frac{48x^3y}{12xy^3} =$  \_\_\_\_\_

11)  $\frac{16w^7r^2}{4wr} =$  \_\_\_\_\_

12)  $\frac{4z^4x^2y}{20zxy^2} =$  \_\_\_\_\_

13)  $\frac{24a^5b^5c}{8a^3b^{-2}} =$  \_\_\_\_\_

14)  $\frac{26d^{11}f^{16}}{13d^6f^{-6}} =$  \_\_\_\_\_

15)  $\frac{21d^{18}e^5}{7d^{11}e^3} =$  \_\_\_\_\_

16)  $\frac{6r^3}{2r} =$  \_\_\_\_\_

# Exponents

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## Evaluate the Exponents.

$$1) \quad \frac{wk}{7w^{-2}k^{-5}} = \frac{w^3k^6}{7}$$

$$2) \quad \frac{24t^{11}}{8t^{-8}} = \frac{3t^{19}}{1}$$

$$3) \quad \frac{4g^6}{16g^{-2}h^4} = \frac{g^8}{4h^4}$$

$$4) \quad \frac{3zx^2y^4}{9x^{-6}} = \frac{zx^8y^4}{3}$$

$$5) \quad \frac{8r^{-5}}{6r^3} = \frac{4}{3r^8}$$

$$6) \quad \frac{18x^4y^{14}}{3x^{-9}y^5} = \frac{6x^{13}y^9}{1}$$

$$7) \quad \frac{22a^{-2}b^{-2}}{11a^{-7}b^{-8}} = \frac{2a^5b^6}{1}$$

$$8) \quad \frac{6r^3}{2r} = \frac{3r^2}{1}$$

$$9) \quad \frac{3z^{-3}}{9z^4} = \frac{1}{3z^7}$$

$$10) \quad \frac{48x^3y}{12xy^3} = \frac{4x^2}{y^2}$$

$$11) \quad \frac{16w^7r^2}{4wr} = \frac{4w^6r}{1}$$

$$12) \quad \frac{4z^4x^2y}{20zxy^2} = \frac{z^3x}{5y}$$

$$13) \quad \frac{24a^5b^5c}{8a^3b^{-2}} = \frac{3a^2b^7c}{1}$$

$$14) \quad \frac{26d^{11}f^{16}}{13d^6f^{-6}} = \frac{2d^5f^{22}}{1}$$

$$15) \quad \frac{21d^{18}e^5}{7d^{11}e^3} = \frac{3d^7e^2}{1}$$

$$16) \quad \frac{6r^3}{2r} = \frac{3r^2}{1}$$