

# Exponents

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

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

## Evaluate the Exponents.

1)  $\frac{10a^{-2}c^{-4}}{15c} =$  \_\_\_\_\_

2)  $\frac{9b}{4b^4} =$  \_\_\_\_\_

3)  $\frac{4ab}{8a^{-2}b^2} =$  \_\_\_\_\_

4)  $\frac{8^1}{8^{-4}} =$  \_\_\_\_\_

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

6)  $\frac{f^{-2}}{f^4} =$  \_\_\_\_\_

7)  $\frac{14x^4y^7}{6x^5y^4} =$  \_\_\_\_\_

8)  $\frac{5^{-2}}{5^{-3}} =$  \_\_\_\_\_

9)  $\frac{11u^4}{17u^7v^9} =$  \_\_\_\_\_

10)  $\frac{3b}{10b^3} =$  \_\_\_\_\_

11)  $\frac{4y^4}{14yx^8} =$  \_\_\_\_\_

12)  $\frac{8x^3}{10x^5} =$  \_\_\_\_\_

13)  $\frac{12yx^4}{10yx^8} =$  \_\_\_\_\_

14)  $\frac{16x^4y}{9x^8y^2} =$  \_\_\_\_\_

15)  $\frac{18x^8y^8}{10x^3} =$  \_\_\_\_\_

16)  $\frac{5n^8}{20n^8} =$  \_\_\_\_\_

# Exponents

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

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

## Evaluate the Exponents.

$$1) \quad \frac{10a^{-2}c^{-4}}{15c} = \frac{2}{3a^2c^5}$$

$$2) \quad \frac{9b}{4b^4} = \frac{9}{4b^3}$$

$$3) \quad \frac{4ab}{8a^{-2}b^2} = \frac{a^3}{2b}$$

$$4) \quad \frac{8^1}{8^{-4}} = \frac{8^5}{1}$$

$$5) \quad \frac{3r^3}{2r} = \frac{3r^2}{2}$$

$$6) \quad \frac{f^{-2}}{f^4} = \frac{1}{f^6}$$

$$7) \quad \frac{14x^4y^7}{6x^5y^4} = \frac{7y^3}{3x}$$

$$8) \quad \frac{5^{-2}}{5^{-3}} = \frac{5}{1}$$

$$9) \quad \frac{11u^4}{17u^7v^9} = \frac{11}{17u^3v^9}$$

$$10) \quad \frac{3b}{10b^3} = \frac{3}{10b^2}$$

$$11) \quad \frac{4y^4}{14yx^8} = \frac{2y^3}{7x^8}$$

$$12) \quad \frac{8x^3}{10x^5} = \frac{4}{5x^2}$$

$$13) \quad \frac{12yx^4}{10yx^8} = \frac{6}{5x^4}$$

$$14) \quad \frac{16x^4y}{9x^8y^2} = \frac{16}{9x^4y}$$

$$15) \quad \frac{18x^8y^8}{10x^3} = \frac{9x^5y^8}{5}$$

$$16) \quad \frac{5n^8}{20n^8} = \frac{1}{4}$$