

## 8-2 Dividing Variables

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

Time> Start: \_\_\_\_\_ Finish: \_\_\_\_\_ Total Time = \_\_\_\_\_

**Simplify each fraction. Write out what each means before simplifying.**

\_\_\_\_\_ 1.  $\frac{ab^3}{ab}$

\_\_\_\_\_ 2.  $\frac{a^4b^3}{a^2b^5}$

\_\_\_\_\_ 3.  $\frac{a^4b^3c}{a^3bc^3}$

\_\_\_\_\_ 4.  $\frac{ab^3}{a^2b^5}$

\_\_\_\_\_ 5.  $\frac{4b^3}{6b}$

\_\_\_\_\_ 6.  $\frac{a^4b^7}{a^5b^5}$

\_\_\_\_\_ 7.  $\frac{c^2ny^3}{c^4n^3y^2}$

\_\_\_\_\_ 8.  $\frac{5a^7b^3c^6}{15ab^6c^4}$

\_\_\_\_\_ 9.  $\frac{9b^3y}{12by^3}$

\_\_\_\_\_ 10.  $\frac{x^4y^6}{x^5y^5}$

\_\_\_\_\_ 11.  $\frac{c^2n^4x^2y^3}{c^4n^2x^3y^2}$

\_\_\_\_\_ 12.  $\frac{10a^{70}b^{30}c^{60}}{15ab^{31}c^{59}}$