Quotient Laws of Exponents

Independent Set 3.02

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

1. Write as one power. $\frac{6^7}{6^3}$

2. Find the value. $\frac{5^6}{5^4}$

3. Find the value. $\frac{(-4)^5}{(-4)^3}$

4. Rewrite so the exponent is on the numerator and on the denominator. $\left(\frac{3}{7}\right)^4$

5. Find the value. $\left(\frac{12}{13}\right)^0$

6. Find the value of n . $\frac{2^9}{2^n} = 2^4$