Applying Exponent Laws

Independent Set 3.05

Name_____
Date_____
Period_____

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

1. Rewrite with a positive exponent. $\left(\frac{3}{4}\right)^{-2}$

2. Find the value. $\left(\frac{6}{7}\right)^{-2}$

3. Rewrite with a positive exponent. $\left(-\frac{5}{6}\right)^{-3}$

4. Find the value. $\left(\frac{1}{2}\right)^{-4}$

5. Find the value. $\left(\frac{3}{2}\right)^{-1} \cdot \left(\frac{3}{2}\right)^{3}$

6. Find the value of n . $\left(\frac{4}{7}\right)^n = \left(\frac{7}{4}\right)^3$