Evaluating and Equivalent Expressions

Independent Set 3.06

Name_____
Date_____
Period_____

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

1. Find the value. $\dfrac{(-5)^4}{(-5)^0 \cdot (-5)^2}$

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

3. Write as a power of 2. 16^3

4. Write as a power of 3. $27^2 \cdot 9$

5. Are 4^{-2} and 2^{-4} equivalent? Show why.

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