Exponential Expressions

Independent Set 3.03

Name_____
Date_____
Period_____

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

1. Find the value. $\frac{4^2 \cdot 4^0}{4^1}$

2. Find the value. $(2^0 \cdot 2^3)^2$

3. Write as one power. $\left(\frac{5^8}{5^5}\right)^3$

4. Find the value. $0.2^2 \cdot (0.2^1)^2$

5. Find the value. $\frac{(-3)^3 \cdot (-3)^0}{(-3)^2}$

6. Show that $\left(\frac{10^4}{10^2}\right)^2$ and $\frac{10^8}{10^4}$ have the same value.