Negative Exponents with Variable Bases

Independent Set 3.T2

Name_____
Date_____
Period_____

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

1. Rewrite using only positive exponents. m^{-6}

2. Rewrite using only positive exponents. $5y^{-3}$

3. Rewrite using only positive exponents. $\frac{1}{x^{-7}}$

4. Simplify. Use positive exponents only. $x^{2} \cdot x^{-9}$

5. Simplify. Use positive exponents only. $(2m^{-5})^{3}$

6. Find the value of n . $y^{-3} \cdot y^{n} = y^{4}$