Product Laws of Exponents

Independent Set 3.01

Name_____
Date_____
Period_____

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

1. Write as one power. $3^4 \cdot 3^5$

2. Find the value. $2^3 \cdot 2^2$

3. Write as one power. $(7^3)^2$

4. Find the value. $(3 \cdot 4)^2$

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

6. Find the value of n . $5^2 \cdot 5^n = 5^7$