Row-by-Row: Exponent Operations
Chapter 4.1.3 - Prob. Set B: Impact Course 2
Steps for "row-by-row":

1. Each person completes his/her assigned problem(s).
2. Then, you are to check each answer with the answer your partner arrived at.
3. Even though your problems were different, the answers should match! If they do not, work with each other to find out what needs to be corrected.

| Left Side Partner |  | Right Side Partner |  |
| :---: | :---: | :---: | :---: |
| 1. | $3^{4} \cdot 3^{-2}=$ | 1. | $3^{-8} \cdot 3^{10}=$ |
| 2. | $5^{12} \div 5^{4}=$ | 2. | $5^{4} \cdot 5^{4}=$ |
| 3. | $-3^{2} \cdot 3^{4}=$ | 3. | $3^{10} \cdot-3^{-4}=$ |
| 4. | $a^{7} \cdot 2 a^{2}=$ | 4. | $2 a^{4} \cdot a^{5}=$ |
| 5. | $b^{-3} \div b^{-6}=$ | 5. | $b^{-2} \div b^{-5}=$ |
| 6. | $2 m^{4} \div m^{7}=$ | 6. | $m^{-12} \div 2 m^{9}=$ |
| 7. | $\frac{10 x^{6}}{2 x}=$ | 7. | $2.5 x \cdot 2 x^{4}=$ |
| 8. <br> Doozie <br> Alert!!! | $(-x)^{50} \div x^{50}=$ | 8. | $\left(\frac{1}{2} y\right)^{6} \cdot\left(\frac{1}{2} y\right)^{-6}=$ |
| 9. <br> Doozie <br> Alert!!! | $\frac{a^{3} b^{9}}{a b^{2}}=$ | 9 | $a^{-2} b^{8} \cdot b^{-1} a^{4}=$ |

