

Name _____

Identity Property - Application & Reasoning Practice

Part 1 - Identify the Property: Write whether each equation shows the **Additive Identity Property**, **Multiplicative Identity Property**, or **Neither**.

1. $10 + 0 = 10$ → _____
2. $5 \times 1 = 5$ → _____
3. $7 \times 0 = 0$ → _____
4. $12 + 3 = 15$ → _____
5. $a + 0 = a$ → _____
6. $1 \times b = b$ → _____
7. $0 + x = x$ → _____
8. $9 \times 1 = 9$ → _____



Part 2 - Find and Explain - Each equation hides the Identity Property somewhere inside it. **Circle** or **underline** the part that shows it, then explain how you know.

1. $(6 + 0) \times 2 = 12$

Explanation: _____

2. $4 \times (3 \times 1) = 12$

Explanation: _____

3. $(x + 0) + 5 = x + 5$

Explanation: _____

4. $(7 \times 1) + 9 = 16$

Explanation: _____

5. $(0 + m) \times 3 = 3m$

Explanation: _____

6. $(p \times 1) + (q + 0) = p + q$

Explanation: _____