

Name _____

Identity Property Sort

Directions: Each equation below is **either an example or a non-example** of the **Identity Property**. Sort each one into the correct column:

Identity Property Example (shows that adding 0 or multiplying by 1 keeps the number the same)

Not an Identity Property Example

Write the number of the equation under the correct heading.



Basic Numbers

1. $6 + 0 = 6$
2. $9 + 1 = 10$
3. $4 \times 1 = 4$
4. $7 \times 0 = 0$
5. $3 + 0 = 3$

Mixed Operations

11. $12 \times 1 = 12$
12. $50 \div 1 = 50$
13. $23 + 0 = 23$
14. $15 \times 0 = 0$
15. $33 + 3 = 36$

Larger Numbers

6. $25 + 0 = 25$
7. $18 \times 1 = 18$
8. $100 + 10 = 110$
9. $40 \times 2 = 80$
10. $9 + 0 = 8$

Variables

16. $a + 0 = a$
17. $x \times 1 = x$
18. $y + 2 = y$
19. $1 \times m = m$
20. $n + 1 = n + 1$

Identity Property Examples	Not Identity Property Examples