

Name _____

Identity Property with Algebra Answer Key

1) $x + 0 = x$

2) $m + 0 = m$

3) $0 + y = y$

4) $0 + a + b = a + b$

5) $p + 0 + q = p + q$

6) $0 + n + 5 = n + 5$

7) $y \times 1 = y$

8) $t \times 1 = t$

9) $1 \times c = c$

10) $(x + 2) \times 1 = x + 2$

11) $1 \times (a + b) = a + b$

12) $(m \times 1) \times 1 = m$

13) $3a + 0 + b = 3a + b$

14) $5 + 0 + c = 5 + c$

15) $2x + y + 0 = 2x + y$

16) $1 \times (4m + n) = 4m + n$

17) $(k + 0) + 2 = k + 2$

18) $(7p \times 1) + 0 = 7p$

19) $(6 + 0) \times 2 = 12 \rightarrow (6 + 0)$ shows the identity property

20) $4 \times (3 \times 1) = 12 \rightarrow (3 \times 1)$ shows the identity property

21) $(x + 0) + 5 = x + 5 \rightarrow$ Simplified: $x + 5$

22) $(7 \times 1) + 9 = 16 \rightarrow$ Simplified: 16

23) $(0 + m) \times 3 = 3m \rightarrow (0 + m)$ shows the identity property

24) $(a + 0) \times (b \times 1) = ? \rightarrow$ Simplified: ab