

Practice***Identity and Equality Properties******Name the property illustrated by each statement.***

1. $0 + b = b$

2. If $x + y = 3$, then $3 = x + y$.

3. $x = x$

4. $4 \cdot 1 = 4$

5. $1 \cdot y = y$

6. $6 = 6$

7. $0 = 0 \cdot 12$

8. $5 = 5 + 0$

9. If $12 = 17 - 5$, then $17 - 5 = 12$.

10. $7(8 - 3) = 7(5)$

11. $w + (4 + 6) = w + 10$

12. $x + 2 = x + 2$

13. $(6 + 9)x = 15x$

14. $(7 - 4)(6) = 3(6)$

15. $xyz = 1xyz$

16. $8 + 5 = (4 + 4) + 5$

17. If $6 + 3 = 9$ and $9 = 3(3)$, then $6 + 3 = 3(3)$.

Evaluate each expression. Name the property used in each step.

18. $2 + 6(9 - 3^2) - 2$

19. $5(13 - 39 \div 3) + 7 \cdot 1$

20. $7(16 \div 4^2)$