

Practice 2-5**Properties of Numbers**

Name the property that each equation illustrates.

1. $83 + 6 = 6 + 83$

2. $8 + x = x + 8$

3. $1 \cdot 4y = 4y$

4. $15x + 15y = 15(x + y)$

5. $(8 \cdot 7) \cdot 6 = 8 \cdot (7 \cdot 6)$

6. $\frac{2}{3}\left(\frac{3}{2}\right) = 1$

7. If $a = 2$, then $2 = a$

8. $7x + 2y = 2y + 7x$

9. $7 + (8 + 15) = (7 + 8) + 15$

10. $x + (-x) = 0$

11. $x + y = y + x$

12. $6 \cdot (x \cdot y) = (6 \cdot x) \cdot y$

13. $16 + 0 = 16$

14. $3w + 5y = 5y + 3w$

15. $7(3 + 4y) = 21 + 28y$

16. $0 = 30 \cdot 0$

17. $4a + (5b + 6c) = (4a + 5b) + 6c$

18. $ab + c = ba + c$

19. $wr = rw$

20. $20(a + b) = 20(b + a)$