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Chapter 2: Operations of Numbers and Variables (cont.)

20. $2 - 3^2(4 - 5) = \underline{\hspace{2cm}}$
21. $32 \div 8 \div 2 \cdot 8 \cdot 2 = \underline{\hspace{2cm}}$
22. $81^5 \cdot (49 - 7^2) = \underline{\hspace{2cm}}$
23. $16 \cdot 5 - 12 \cdot 5 - 4 \cdot 5 = \underline{\hspace{2cm}}$
24. $\frac{180}{55} \cdot 11 \cdot 5 = \underline{\hspace{2cm}}$
25. $11 \cdot 180 \div 55 \cdot 5 = \underline{\hspace{2cm}}$
26. $54 \div 7 - 28 \div 7 - 25 \div 7 = \underline{\hspace{2cm}}$
27. $82a - 28a + \underline{\hspace{2cm}} = 100a$
28. $\frac{2}{a} + \frac{4}{a} + \frac{122}{a} = \underline{\hspace{2cm}}$
29. $128a + 12a - \underline{\hspace{2cm}} = 72a$
30. $\frac{12}{4^2 - 2^4} = \underline{\hspace{2cm}}$
31. $12 \cdot 4^2 - 2^4 - 10 \cdot 16 = \underline{\hspace{2cm}}$
32. $6^2 + (3^3 - 8) - 5 = \underline{\hspace{2cm}}$
33. $92 - 8 \cdot 9 - 5 \cdot 8 = \underline{\hspace{2cm}}$
34. $(92 - 8) \cdot (9 - 5 \cdot 8) = \underline{\hspace{2cm}}$
35. $(92 - 8 \cdot 9 - 5) \cdot 8 = \underline{\hspace{2cm}}$
36. $9(2 - 8 \cdot 9 - 5 \cdot 8) = \underline{\hspace{2cm}}$
37. $9(2 - 8) \cdot (9 - 5) \cdot 8 = \underline{\hspace{2cm}}$
38. $53(9^2 - 5 - \underline{\hspace{2cm}}) = 0$
39. $\frac{32 + 5 - \underline{\hspace{2cm}}}{543^3} = 0$
40. $9s + 3(8 - s) + 13 + 3s = \underline{\hspace{2cm}}$



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Chapter 4: Properties (cont.)



Checking Progress: All Properties

Directions: Which property is it? Write the name of the property that is being shown by the following examples.

1. $8 + 0 = 8$

1. _____

2. $34 \cdot (28 \cdot 99) = 34 \cdot (99 \cdot 28)$

2. _____

3. $1 = \frac{3}{5} \cdot \frac{5}{3}$

3. _____

4. $19 \cdot 8 + 19 \cdot 2 = 19 \cdot (8 + 2)$

4. _____

5. $19 \cdot 28 - 19 \cdot 8 = 19 \cdot (28 - 8)$

5. _____

6. $(12 + 7) + 13 = 12 + (7 + 13)$

6. _____

7. $(12 + 7) + 13 = (7 + 12) + 13$

7. _____

8. $28,376 = 28,376 \cdot 1$

8. _____

9. $28,376 \cdot \left(\frac{13}{53} \cdot \frac{53}{13}\right) = 28,376$

9. _____

10. $42 \cdot \left(\frac{3}{7} + \frac{5}{21}\right) = 42 \cdot \frac{3}{7} + 42 \cdot \frac{5}{21}$

10. _____

11. $98 + [13 + (-13)] = 98$

11. _____

12. $98 = 98 + 0$

12. _____