

DEV 031 – Practice Test 1 (Ch. 1 & 2) Name: _____

WEB or HYBRID: Class Time _____ Instructor: _____

A CALCULATOR IS NOT PERMITTED.

Fill in the blank with < or > to make a true statement.

1. -8 _____ -10 1. _____

Simplify each expression completely.

2. $10 + -4$ 2. _____

3. $19 - - 30$ 3. _____

4. $13 - - 4 + 2 - - 8$ 4. _____

5. $(-7)(-4)$ 5. _____

6. $\frac{-16}{0}$ 6. _____

7. $4 \bullet -3 \div (8 - 2)$ 7. _____

8. $18 \div (2 - 11) - 4$ 8. _____

9. $(-5)^2$ 9. _____

10. $16 - -1 + 3^2$ 10. _____

11. $\frac{13 + (-1)(-7)}{15 - 12 + 1}$ 11. _____

Rewrite using the stated property. Do not simplify your answer.

12. Associative Property: $5 \bullet (-3 \bullet 7)$ 12. _____

13. Distributive Property: $6(-2 + 8)$ 13. _____

Evaluate the given expression.

14. a^2b when a is -2 and b is 5 14. _____

15. $2x^2 + y$ when x is -3 and y is 6 15. _____

Simplify each expression completely.

16. $-5x^3 + 2x^2 + 7x^3 - 9x^2$ 16. _____

17. $-5y - (3y + 4)$ 17. _____

Solve each equation and find the corresponding balance statement.

18. $-14 = x - 4$ 18. _____
(solution) (balance statement)

19. $3t + 23 = 26$ 19. _____
(solution) (balance statement)

20. $-19w + 14w = 14 - 24$ 20. _____
(solution) (balance statement)

21. $-16 = -x + 4$ 21. _____
(solution) (balance statement)

22. $14m + 24 = 12m + 28$ 22. _____
(solution) (balance statement)

23. $3m - 4 = 5m + 10$ 23. _____
(solution) (balance statement)

24. $2(x - 5) = -18$ 24. _____
(solution) (balance statement)

25. $1 - 2y + 5 = 7y - 6 - 3y$ 25. _____
(solution) (balance statement)