

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

WEB or HYBRID: Class Time _____ Instructor: Watch VIDEO _____

A CALCULATOR IS NOT PERMITTED.

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

1. -8 _____ -10 1. [Watch VIDEO](#)

Simplify each expression completely.

2. $10 + -4$ 2. [Watch VIDEO](#)

3. $19 - -30$ 3. [Watch VIDEO](#)

4. $13 - -4 + 2 - -8$ 4. [Watch VIDEO](#)

5. $(-7)(-4)$ 5. [Watch VIDEO](#)

6. $\frac{-16}{0}$ 6. [Watch VIDEO](#)

7. $4 \bullet -3 \div (8 - 2)$ 7. [Watch VIDEO](#)

8. $18 \div (2 - 11) - 4$ 8. [Watch VIDEO](#)

9. $(-5)^2$ 9. [Watch VIDEO](#)

10. $16 - -1 + 3^2$ 10. [Watch VIDEO](#)

11. $\frac{13 + (-1)(-7)}{15 - 12 + 1}$ 11. [Watch VIDEO](#)

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

12. Associative Property: $5 \bullet (-3 \bullet 7)$ 12. [Watch VIDEO](#)

13. Distributive Property: $6(-2 + 8)$ 13. [Watch VIDEO](#)

Evaluate the given expression.

14. a^2b when a is -2 and b is 5 14. [Watch VIDEO](#)

15. $2x^2 + y$ when x is -3 and y is 6 15. [Watch VIDEO](#)

Simplify each expression completely.

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

16. [Watch VIDEO](#)

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

17. [Watch VIDEO](#)

Solve each equation and find the corresponding balance statement.

18. $-14 = x - 4$

18. [Watch VIDEO](#)

19. $3t + 23 = 26$

19. [Watch VIDEO](#)

20. $-19w + 14w = 14 - 24$

20. [Watch VIDEO](#)

21. $-16 = -x + 4$

21. [Watch VIDEO](#)

22. $14m + 24 = 12m + 28$

22. [Watch VIDEO](#)

23. $3m - 4 = 5m + 10$

23. [Watch VIDEO](#)

24. $2(x - 5) = -18$

24. [Watch VIDEO](#)

25. $1 - 2y + 5 = 7y - 6 - 3y$

25. [Watch VIDEO](#)