

Review for Unit 2 Test**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

Simplify the expression.

- _____ 1. $9 - 5(-7x + 5)$
a. $35x + 34$ b. $-28x + 20$ c. $35x + 14$ d. $35x - 16$

Evaluate.

- _____ 2. $-8g - 3$ for $g = 3$
a. -24 b. -8 c. -21 d. -27

Use the Distributive Property to multiply.

- _____ 3. $5(2t - 5)$
a. $10t - 5$ b. $7t - 25$ c. $10t - 25$ d. $-15t$

Solve the equation.

- _____ 4. $d + 0.7 = 0.9$
a. 0.2 b. -1.6 c. -0.2 d. 1.6
- _____ 5. $9d = -54$
a. 6 b. -9 c. -5 d. -6
- _____ 6. $\frac{3}{7}x + 5 = 8$
a. 7 b. $1\frac{2}{7}$ c. -7 d. $7\frac{2}{3}$
- _____ 7. $\frac{x}{-2} + 2 = 12$
a. -20 b. -22 c. -26 d. -28
- _____ 8. $n - 40 - 26 = -35$
a. -31 b. -101 c. -21 d. 31
- _____ 9. $9b = 27$
a. 3 b. 18 c. 243 d. 36
- _____ 10. $\frac{x}{5} + 9 = 4$
a. 65 b. -25 c. 5 d. 20

- _____ 11. $12 + 0.35x = 20.05$
a. 91.5 b. 57.3 c. 2.8175 d. 23
- _____ 12. $8x + 4 = 52$
a. 9 b. 2 c. 8 d. 6
- _____ 13. $\frac{x}{9} - 2 = 2$
a. 36 b. 0 c. 13 d. -18
- _____ 14. $-2(m - 30) = -6m$
a. -15 b. -13 c. -8 d. 8
- _____ 15. If a number n is subtracted from 25, the result is three less than n . What is the value of n ?
a. 14 b. 22 c. 28 d. 11

Simplify the expression.

- _____ 16. $2x + 3(x - 2) - (x - 6)$
a. $4x$ b. $4x - 12$ c. $6x - 4$ d. $4x + 12$

Write and solve an equation.

- _____ 17. Five less than four times a number x is nine more than twice the number. What is the number?
a. $4x - 5 = 2x - 9; -2$ c. $4x + 5 = 2x + 9; 2$
b. $4x - 5 = 2x + 9; 7$ d. $2x - 5 = 4x + 9; -7$
- _____ 18. The sum of two consecutive even integers is 194. What are they? Use the variable n for the value of the smaller integer.
a. $n + (n + 1) = 194; 96, 97$ c. $n + (n + 2) = 194; 96, 98$
b. $2n + 1 = 194; 96, 98$ d. $2n = 194; 96, 98$
- _____ 19. Twice the smallest of three consecutive integers is equal to the largest. Find the **smallest**.
a. 1 c. 3
b. 2 d. 4

Short Answer**NON-CALCULATOR**

20. Find two consecutive even integers whose sum is 38.
21. Find two consecutive integers where twice the smallest is the same as 3 more than the largest.
22. Find three consecutive odd integers whose sum is -33. **What is the largest integer?**
23. Three times a number increased by 6 is the same as the number decreased by 2.

Name: _____

ID: A

24. Seven less than a number is the same as triple a number more than 3.

Solve the equation.

25. $37 - 18 + 8w = 67$

26. $78 = -2(m + 3) + m$

27. $y + (-6) = -9$

28. $x + 9 = 5(4x - 2)$

29. $-5 = \frac{c}{7}$

30. $4x - 3 + 1 = 2x - 6 + 4$

31. $2(x + 4) = 8 + 2x$

32. $4x - 2(x + 5) = 2x + 9$