

NAME _____ DATE _____ PERIOD _____

Unit 2 Test Review: Solving Linear Equations

1. $9 + s = -5$

5. $-3c - 9 = -24$

2. $-4 + y = -9$

6. $5k - 7 = -52$

3. $5j = -32.15$

7. $\frac{4}{3}x + 5 = -3$

4. $\frac{w}{5} = 3$

8. $\frac{2e}{5} = -2$

$$9. 5s + 4s + 16 = -56$$

$$13. 15 - (3 - 4y) = 2(y + 2)$$

$$10. 6(y - 5) = 18$$

$$14. 5(c - 1) - 2(c + 3) - 2c = -8$$

$$11. 3(x + 1) - 5 = 4x - 3$$

$$15. 2x + 4(x - 1) = 5(x - 1)$$

$$12. 4(2y - 1) = -10(y - 5)$$

$$16. 3(x + 1) - 2x = 4x + 9$$

LITERAL EQUATIONS

17. Solve $P = 4s$ for s _____

18. Solve $K = \frac{AP}{2}$ for A _____

19. Solve $y = mx + b$ for m _____

20. Solve $2x + 3y = 6$ for y _____

REVIEW PROBLEMS

21. What property is being illustrated?

a) $(6x + 9) + 7y = 6x + (9 + 7y)$

b) $(6x + 9) + 7y = (9 + 6x) + 7y$

23. Simplify $4x + 2y + 3 - 5y + 6x - 9$

22. What is the value of:
 $-|-10 + |-5||$

24. Evaluate $\frac{5 \cdot 2^2 + 2}{17 - 2 \cdot 3}$

25. Simplify $-(-6x + 5) - (-9 - x)$	27. Evaluate $4^2 + [(10 - 2) - 3]$
26. What is the value of $-4.13 - 5.18 + 9.63$?	28. Evaluate $b + c - 3(ac)$ if $a = \frac{1}{2}$, $b = 7$, and $c = 6$.

Answers

1 -14 -6 -9
 $s = \frac{P}{4}$ 5 -2
 $7x + 4$ 3 -8
 -5 Associative 8
 0.32 2 -6.43 -5
 Commutative $10x - 3y - 6$ 4
 21 $m = \frac{y - b}{x}$ -4
 15 -1
 -5 3 $y = \frac{-2}{3}x + 2$
 $A = \frac{2K}{P}$