Name: _____ Class: _____ Date: _____ ID: A

1st 9 weeks Study Sheet 1

Short Answer

1. Evaluate: $3+2\bullet 5$
2. Evaluate: $4+3(12\div 6)$
3. Evaluate: $3\bullet 4+2\bullet 5$
4. Evaluate: $3\bullet 2+15\div 3$
5. Evaluate: $3\left[10-(15\div 3+2)\right]$
6. Evaluate $3 + 2n$ for $n = 7$
7. Evaluate $-4 + 6y$ for $y = 3$
8. Evaluate $5(x + 2) - 3$ for $x = 9$
9. Evaluate $6 + 5(n + 4)$ for $n = 8$
10. Evaluate $-8 + 6(x + 5)$ for $x = 7$
11. Evaluate $7y + 2$ for $y = 7$
12. Evaluate the expression for the given values of the variables.

    $2m + 4x$ for $m = 11$ and $x = 4$
13. Evaluate the expression for the given values of the variables.

    $3.3n + 2m$ for $n = 15$ and $m = 6.8$
14. Evaluate the expression for the given values of the variables.

    $3x - 2y$ for $x = 6$ and $y = 5$
15. Write an algebraic expression for each word phrase.

    4 times the sum of z and 14
16. Write an algebraic expression for each word phrase.

    the difference of y and 5
17. Write an algebraic expression for each word phrase.

    17 divided into y
18. If Salvador read 13 books from the library each month for x months in a row, write an expression to show how many books Salvador read all together.

    Evaluate the expression for $x = 10$.
19. If Aaron has saved 36 sand dollars and wants to give them away equally to p friends, write an expression to show how many sand dollars each of Aaron's friends will receive.

    Evaluate the expression for $p = 2$.
20. Add. $-2 + 11$
21. Add. $11 + (-14)$
22. Add. $-7 + (-4)$
23. Add. $-9 + 3$
24. Evaluate $c + (-15)$ for $c = -8$.
25. Evaluate $j + (-11)$ for $j = 12$.
26. Evaluate $v + 9$ for $v = -18$.
27. Subtract. $2 - (-4)$

28. Subtract. $-2-(-9)$

29. Subtract. $6-(-15)$

30. Subtract. $6-(-8)$

31. Subtract. $1-(-7)$

32. Subtract. $8-(-9)$

33. Evaluate $19-j$ for $j=-16$.

34. Evaluate $9-y$ for $y=-1$.

35. Evaluate $-2-a$ for $a=10$.

36. The elevator in the newest skyscraper downtown goes from the top floor down to the lowest level of the underground parking garage. If the building is 460 feet tall and the elevator descends 540 feet from top to bottom, how far underground does the parking garage go?

37. Which property is illustrated: $5+2+3=2+3+5$

38. Which property is illustrated: $(5+2)+3=5+(2+3)$

39. Which property is illustrated: $(5+2)+3=3+(5+2)$

40. Which property is illustrated: $3(5+2)=3(5)+3(2)$

41. Which property is illustrated: $0(5+2)=0$

42. Which property is illustrated: $5(1)=5$

43. Which property is illustrated: $5+0=5$

44. Simplify $3(4t+3)$.

45. Simplify $3(y+2)$.

46. Simplify $2(7t+9)$.

47. Simplify $4(8t-6)$.

48. Simplify $6(7x-8)$.