Chapter 2 review

Directions. Work all the problems. When you are done, get an answer sheet and check your work.

1) For ***each*** section with 5 or more incorrect answers, follow steps 2 – 4 for that section

2) Go to your textbook and read that section. Be sure to read all the example problems.

3) Start working the odd questions from the written exercises for that section, starting at #13. (the answers to the odds

 are in the back of your book)

4) Keep working until you can complete 3 problems in a row with no mistakes.

5) Get a parent signature here, certifying that you have read the instructions and completed the assignment.

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Congratulations! You are on your way to forming A – 1 study habits!

Section 2 – 3

1. Which of the following statements is *not* true?

 A. 5 + ( - 4) = 1 B. 5 + ( - 5) = 0 C.( - 5) + 0 = 5

 D. ( - 5) + ( - 4) = - 9

**Simplify each of the following.**

2. ( - 4) + ( - 13) + 15 + ( - 2)

3. ( - 8) + 2x + 15

4. 12 + 5

5. 12 + ( - 5)

6. ( - 12) + 5

7. ( - 12) + ( - 5)

8. – [ ( - 12) + 5]

9. Evaluate – 13 + ( - x) + y if x = - 12 and y = - 7

10. You have $132 in your checking account. You deposit $46 and then make two purchases with your debit card. One for $17 and the other for $93. What is your new balance?

Section is 2 – 4

**Simplify each of the following.**

11. 12 – 5

12. 12 – ( - 5)

13. ( - 12) – 5

14. ( - 12) – ( - 5)

15. – [ ( - 12) – 5]

Section 2 – 5

**Use the distributive property to simplify each of the following.**

16. (37 x 83) + (37 x 17)

17. 16( 2$\frac{1}{8})$

18. (0.25)(38) + (0.75)(38)

19. 12n + 27n

**Simplify.**

20. 5x + 7 + 8x – 3

21. 3(x + 2) + 5(x – 3) – 7x + 4

Section 2 – 6

**Simplify**

22. ( - 7)( - 3)

23. (5)( - 3)

24. ( -4)(6)

25. ( - 3x)( - 2y)

26. ( - 3)(5)(2)

27. ( -1)(3)( - 5)(6)

28. 2(x – 3y) – 3(x – 2y)

29. - $\frac{1}{2}n+ \frac{3}{5}m+ \frac{5}{2}n- \frac{8}{5}m$

Section 2 – 8

**Simplify each of the following.**

30. ( - $\frac{1}{3})(12)( - \frac{3}{4})$

31. $\frac{1}{4}\left( -8a+4b\right)$

32. (24x – 12y)( - $\frac{1}{6})$

33. $\frac{1}{2}\left(4c-6d\right)-\frac{1}{3}\left(6c-9d\right)$

**Classify each of the following as true or false.**

34. The reciprocal of $\frac{3}{4} is \frac{4}{3}.$

35. The multiplicative inverse of – $\frac{2}{3} is \frac{3}{2}.$

36. The reciprocal of 0 is 0.

37. The multiplicative inverse of – 1 is 1.

38. The multiplicative inverse of 1.25 is 0.8.

Section 2- 9

**Simplify each of the following.**

39. 96 ÷ ( - 8)

40. \_\_- 9\_\_

 - $\frac{1}{8}$

41. ( - 12) ÷ (36)

42. Find the average of - 21, 19, 5, and – 11.

43. Evaluate a – 3b if a = 9, b = - 2, and c = 3.

 b – c

**Classify each of the following as true or false.**

44. 12 ÷ 4 = 4 ÷ 12

45. (12 ÷ 4) ÷ 3 = 12 ÷ (4 ÷ 3)

46. 12 – 6 = 4 – 6

 3

47. 12 ÷ ( - $\frac{1}{2})= -6$

48. ( - $\frac{1}{2}) ÷$12 = - $\frac{1}{24}$