

Name \_\_\_\_\_

Date \_\_\_\_\_

2.1-2.5 Quiz

Study Guide

Solve:

1)  $-5 + 8 =$

2)  $3 + (-9) =$

3)  $-3 + 7 =$

4)  $3 - 9 =$

5)  $-7 - 8 =$

6)  $5 - (-4) =$

7)  $127 + (-46) =$

8)  $-5 - (-3) =$

9)  $-3 + 0 =$

10)  $-7 + 14 =$

11)  $1 + (-11) =$

12)  $-6 + 12 =$

13)  $1 - 14 =$

14)  $-5 - 12 =$

15)  $-2 - (-6) =$

16)  $-250 + (-50) =$

17)  $-2 - (-2) =$

18)  $0 + (-9) =$

Draw a picture if needed.

19) The temperature was  $-15^{\circ}F$  at night. The next morning it was  $6^{\circ}F$ . How much did the temperature rise? \_\_\_\_\_

20) A diver was at 45 feet above sea level. He descended 70 feet. Where is he now?  
\_\_\_\_\_

21) The temperature was  $2^{\circ}F$ . It dropped  $8^{\circ}$ . What is the temperature now? \_\_\_\_\_

22) A diver was at 33 feet below sea level. He is now at 20 feet above sea level. How far was his climb? \_\_\_\_\_

23) A diver was at 26 feet above sea level. He is now at 12 feet below sea level. What was his total descent? \_\_\_\_\_

24) The temperature was  $7^{\circ}F$ . That night it was  $-12^{\circ}F$ . How many degrees did the temperature drop? \_\_\_\_\_

25) Sally was in debt \$18. She made \$35 babysitting. How much does she have now after paying off her debt? \_\_\_\_\_

26) Jimmy's balance on his bank statement says  $-\$55$ . If he deposits \$20 what will his balance be? \_\_\_\_\_

27) The Fonz had \$68 in his bank account. He bought a stereo for \$120. What is his current balance? \_\_\_\_\_

Combine like terms. Use a highlighter if needed.

28)  $4t - 7t$

29)  $-2a + (-4a)$

30)  $3m + 4n - 6m + n$

31)  $4d + 5 - 3d - 9$

32)  $3b + 2c - 5b + 5$

33)  $3ab + 4a - 6b + 9b - 7a$

34)  $4a + 3c - 5b - 10 - 3a - 4c + 7b - 3a + 5$

35)  $a + 2a^2 - 8a - 3 - 9a^2 - 7a + 2a - 9a + 1$