Unit 1 mid-Test Study Guide Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Pd\_\_\_\_\_\_\_\_\_\_\_

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| 1. What integer represents 12 feet below sea level?\_\_\_\_\_
2. What is the value of : \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
 |
| 1. What is the value of each letter on the number line? S=\_\_\_\_\_ T=\_\_\_\_\_

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| 1. A hot air balloon rises 3 feet per hour for 2 hours. Write an expression to describe this situation.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1. Pat has $50 in the bank. She withdraws $20 and spends it. Write an expression to describe this situation. \_\_\_\_\_\_\_\_\_\_\_\_\_
2. The shark was 25 feet under water. He goes down another 12 feet. What is his new depth?\_\_\_\_\_
3. The temperature was 23 degrees at sundown. After midnight, it was -6 degrees. What is the difference between these two temperatures?\_\_\_\_\_
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| What is the value of each expression?1. 5+4=\_\_\_\_\_ 9. -12+-3=\_\_\_\_\_ 10. -6+11=\_\_\_\_\_ 11. 14+-4=\_\_\_\_\_

 12. 8-12=\_\_\_\_\_ 13. -5-(-8)=\_\_\_\_\_ 14. -9-13=\_\_\_\_\_ 15. 6-(-8)=\_\_\_\_\_16. -3(5)=\_\_\_\_\_ 17. -7(-3)=\_\_\_\_\_ 18. =\_\_\_\_\_ 19. =\_\_\_\_\_ |
| What is the value of each expression if x=-2 and z=420. \_\_\_\_\_ 21. \_\_\_\_\_ 22. \_\_\_\_\_ 23. \_\_\_\_\_ |