Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **WS 1-1H**

Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_

1. Bob has made several errors while recording entries for his checking account. His

mistakes lead him to believe that he has $164 in his account, when in fact he has only $54. He writes a check for $98.

* 1. How much money does he think he has left after this transaction? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  2. How much money does he actually have left? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Sarah brought 48 cupcakes to class one day. There are 24 students in her class, including her teacher.
   1. How many cupcakes does each student get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. The teacher and Sarah decide not to have any cupcakes. Four other students are unable to have cupcakes due to allergies and an additional 2 students decide not to have any cupcakes because they’re not hungry. Now how many cupcakes can the remaining students have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Fill in the blank with a + or -
   1. Negative times/divided by a negative \_\_\_\_\_\_\_
   2. Negative times/divided by a positive \_\_\_\_\_\_\_\_
   3. Positive times/divided by a negative \_\_\_\_\_\_\_\_\_
   4. Positive times/divided by a positive \_\_\_\_\_\_\_\_\_
3. Explain the meaning of “zero pair” Justify using Algebra Tiles.

5.  6.  7.  8. 0 – 5

9. -3 – (-7) 10.  11. -3 + 3 12. -3 - 7

Bonus: Can you divide by 0? Explain your reasoning