

Name \_\_\_\_\_ Period \_\_\_\_\_



## Integer/Absolute Value Questions

- 1) Jane and Stephen were placing numbers on a number line. Jane said, "My number is greater than yours." Stephen agreed but added, "My number has a greater absolute value than yours." What could Stephen and Jane's numbers be?
  
  
  
  
  
  
  
  
  
  
- 2) For homework, Jennifer was adding integers. She looked at a computation and said, "I know the sign of the sum will be negative." Based on Jennifer's statement, what do you know about the computation ?

3) Annie added three integers and got a sum of zero. What might the integers have been?

4) Zach looked at an integer subtraction computation and said, "You can find the difference between these two integers by doubling the first integer." What might the computation have been?

5) Danny multiplied three integers and got a product of  $-48$ . What might the integers have been?

6) Beth's donut shop has been in business for one month. Each week, Beth looks at her income and expenses to determine her profit (income - expenses = profit). Beth has determined that her average weekly profit is -\$40. What might have been Beth's income and expenses each week?

7) Katie earns \$5 a day in allowance and spends \$3 a day on lunch and other necessities. What number sentence could Katie use to determine how much money she has after any number of days?

8) Ned kept track of the temperature outside his home from noon until midnight. Upon looking back at the data, he noticed that the rule  $50 + (-0.5)h = t$  (where  $h$  equals the number of hours after noon and  $t$  equals the temperature) could be used to find the temperature at any given time. How did the temperature change over the course of this day?