Name _____

Class _____

Problem 1 – Is it Freezing?

1. When the sun comes up, the temperature is 62 degrees. At 10 a.m. the temperature has risen 9 degrees. At 12 p.m., a rain storm comes through and the temperature drops 18 degrees. By 4 p.m., the sun has come back out and the temperature rises another 14 degrees.

Find the temperature at 4 p.m. _____

Draw a number line to show the changes in value.

2. Winter is coming in Diluth, MN. The forecast has been given based on the changes expected per day instead of the actual temperatures. How much should you bundle up each day? Find the actual temperatures for each day.

Day	Forecast	Temperature
Dec 14		25 degrees
Dec 15	7 degrees cooler than Dec 14	
Dec 16	3 degrees warmer than Dec 15	
Dec 17	14 degrees cooler than Dec 16	
Dec 18	2 degrees warmer than Dec 17	
Dec 19	12 degrees cooler than Dec 18	
Dec 20	4 degrees warmer than Dec 19	

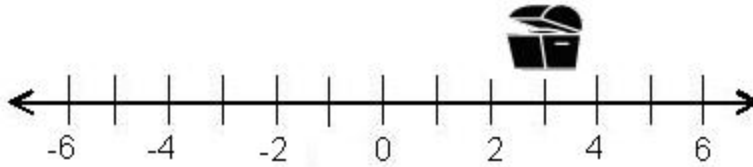**3.** What happens between Dec 18 and 19? Between Dec 19 and 20?

_____

_____

4. Draw a NumberLine screen from the TI-73 that shows the changes in temperature for each day and the final temperature on December 20.

Problem 2 – Finding a Treasure

You are on a treasure hunt! You must make at least 3 moves to go from your starting location. The size of moves are 6 steps forward, 4 steps back and 3 steps forward.

5. What starting number did you use to end up at the treasure chest? _____

6. What order did you take the steps? _____

Discuss with a neighbor. Did they take the steps in the same order? _____

Did you both end up at the treasure? Explain. _____

_____

7. Start over and show a second order of steps to get to the treasure.
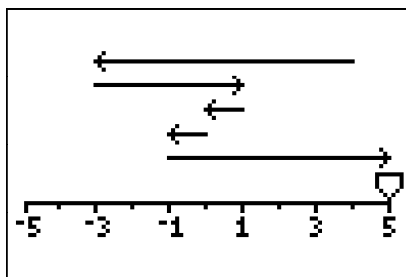
_____

8. Does this always work? Why or why not? _____

_____

_____

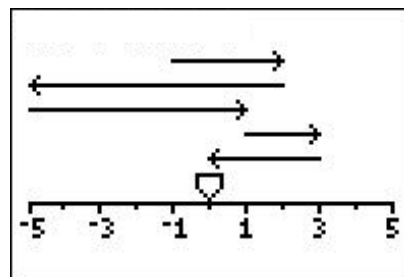## Problem 3 – How Did I Get Here?

Write a number sentence that is represented by each image below.

9.

Sentence: _____

10.

Sentence: _____