N7 Practice Quiz Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write an integer to represent each situation.

a) The temperature is 3° below 0°C. \_\_\_\_\_\_\_\_

b) The valley was 350 m below sea level. \_\_\_\_\_\_\_\_

c) Victor spent $89 of his savings. \_\_\_\_\_\_\_\_

d) The plane flew at an altitude of 30 000 m. \_\_\_\_\_\_\_\_

2. Write the opposite of each integer.

a) +7 \_\_\_\_\_ b) –4 \_\_\_\_\_ c) +8 \_\_\_\_\_ d) –17 \_\_\_\_\_

3. A photo of a close finish of a race showed:

• Jan 2 m before the finish line (**J**)

• Nikki 3 m after the finish line. (**N**)

• Bryn 1 m after the finish line (**B**)

• Simon 3 m before the finish line (**S**)

Suppose 0 represents the finish line.

Use first initials to show the position of each racer on the number line.



4. Copy and complete by placing < or > in each box.

a) –8 –17 b) +9 +2 c) –12 + 6

d) 0 –1 e) –22 –42 f) +11 –3

5. Order the integers in each set from least to greatest.

a) 0, +6, –6, –10, +9 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) +25, +17, –23, –8, +12 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) +4, –9, +16, –25, +1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) –52, +45, +76, –30, –121 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Describe a situation that could be represented by each integer.

 a) –14 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) –2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c) 10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. The data shows the temperatures in different cities on one day in March.

 Use these temperatures to answer the questions below.

 Victoria: +10°C Calgary: –6°C Regina: +5°C

 Winnipeg: –3°C Toronto: +7°C Quebec: –8°C

 Moncton: +2°C Halifax: –2°C St. John’s: –7°C

 Charlottetown: 0°C Iqaluit: –35°C Whitehorse: –12°C

 Yellowknife: –31°C

a) Which city has the highest temperature? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Which city has the lowest temperature? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Which cities have temperatures greater than –1°C? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Which cities have temperatures between –6°C and +6°C? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) Which cities have temperatures that are opposite integers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

f) Which cities have temperatures less than 0°C? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

g) Which cities have temperatures less than –5°C? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. Answer the question using the number line below. You may add numbers to this line if needed.

 

a) 2 units to the left of 3 is \_\_\_\_\_\_\_ b) 6 units to the right of -1 is \_\_\_\_\_\_\_

c) 4 units to the left of -4 is \_\_\_\_\_\_\_ d) 8 units to the left of 5 is \_\_\_\_\_\_

e) 1 unit to the left of 10 is \_\_\_\_\_\_\_ f) 5 units to the right of -6 is \_\_\_\_\_\_\_

g) 3 units to the right of 7 is \_\_\_\_\_\_\_ h) 7 units to the left of 4 is \_\_\_\_\_\_\_

9. Write the missing integer.

 a) +1, \_\_\_\_\_ , +3 b) -3, \_\_\_\_\_\_, -5 c) 0, \_\_\_\_\_\_, +2

 d) -7, \_\_\_\_\_\_, -5 e) +10, \_\_\_\_\_\_, +8 f) -1, \_\_\_\_\_, +1