

Name:

ANSWERS!

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Part 6-6 Classwork A

No Calculators

Question 01

In golf, the base score for each hole is represented by 0. A player's score describes how far he is above or below 0.

- Allen's score is 4 above 0.
- Nick's score is 2 below 0.
- Ron's score is 3 below 0.

Determine whether each statement about the players' scores is true. Select True or False for each statement.

	True	False
Allen's score is further from 0 than Nick's score because $ 4 > -2 $.	4 > 2 true	✓
Allen's score is further from 0 than Ron's score because $ 4 > -3 $.	4 > 3 true	✓
Nick's score is further from 0 than Ron's score because $ -2 > -3 $.	2 > 3 false!	✓

Question 02

Consider the statements shown in the table. Select True or False for each statement.

	True	False
On a number line, $ 5.4 $ and -5.4 are the same point.		<input checked="" type="checkbox"/>
The distance from -85.4 to 0 is the same as the distance from 85.4 to 0 on the number line.	<input checked="" type="checkbox"/>	
The distance between -0.15 and 0 on a number line is $ -0.15 $ units.	<input checked="" type="checkbox"/>	

Question 03

Consider the statements shown in the table. Select True or False for each statement.

	True	False
The distance between -3.17 and 0 on a number line is $ -3.17 $ units.	<input checked="" type="checkbox"/>	
On a number line, $ 7.29 $ and -7.29 are the same point.		<input checked="" type="checkbox"/>
The distance from -5.28 to 0 is the same as the distance from 5.28 to 0 on the number line.	<input checked="" type="checkbox"/>	

Question 04

The temperature was -2°F at midnight. The absolute value of the temperature at 3:00 a.m. was less than the absolute value of the temperature at midnight. Select all the temperatures that could have been the temperature at 3:00 a.m.

A. -3°F

B. -1°F

C. -0.5°F

D. 0°F

E. 1.5°F

F. 2.5°F

} all of these are closer to zero than -2

Question 05

Rachel marked a number line at a point, x , to the left of 0.

Select **all** of the inequalities that **must** be true about the number Rachel marked.

A. $x > 0$

B. $|x| > 0$

C. $|x| < 0$

D. $x < 0$

-5 is less than zero but $|-5|$ is greater than zero

Try using an easy to work with number for x to help



Question 06

The temperature at 2:00 a.m. is -3° . The absolute value of the temperature at 5:00 a.m. is greater than the absolute value of the temperature at 2:00 a.m.

Which are possible temperatures at 5:00 a.m.? Select all that apply.

A. -4°

B. -2°

C. 0°

D. 2°

E. 4°

These two are further from zero than -3