

Name:

ANSWERS!

Period:



Collaboration



Successful Partnership



Encouragement



Solving Problems Together



Collaboration

Part 6-2 Classwork A

No Calculators

Question 01

Consider the inequality $12 < x$.

Determine whether each value of x makes the inequality true. Select Yes or No for each value.

	Yes	No
-40		✓
0		✓
-5		✓
13	✓	
21	✓	

Question 02

Consider the inequality $m < -12$.

Determine whether each value of m makes the inequality true. Select Yes or No for each value.

	Yes	No
2		✓
-6		✓
9		✓
-15	✓	
10		✓

Question 03

Consider the inequality $x < 3$.

Determine whether each value of x makes the inequality true. Select Yes or No for each value.

	Yes	No
-4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>
0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
-15	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Question 04

This table shows temperature in some cities recorded on a day.

City	Temperature (°C)
Hamilton	-22.3
Sydney	32.7
Rome	10.8
Toronto	-24.9

Determine whether each statement about the temperatures is correct. Select True or False for each statement.

	True	False
Hamilton has a higher temperature than Toronto because -22.3°C is greater than -24.9°C .	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sydney's temperature is further from 0°C than Rome's temperature.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rome has a lower temperature than Toronto because 10.8°C is closer to 0°C than -24.9°C .	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Question 05

Select **all** the sets of numbers that are possible values for x in the inequality, $x > -2$.

A. $\{-1, 0, 5\}$

B. $\{2, 4, 6\}$

C. $\{-2, 0, 2\}$

D. $\{-6, -4, -2\}$

Question 06

Select **all** the sets of numbers that are possible values for x in the inequality, $x < -3$.

A. $\{5, 7, 9\}$

B. $\{-9, -7, -5\}$

C. $\{-33, -22, -11\}$

D. $\{-5, 0, 5\}$