

Name:

Period:



Communication



Successful Partnership



Encouragement



Solving Problem 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		
4		
0		
20		
-15		

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 .		
Sydney's temperature is further from 0°C than Rome's temperature.		
Rome has a lower temperature than Toronto because 10.8°C is closer to 0°C than -24.9°C .		

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