

Name: _____

Homework #6

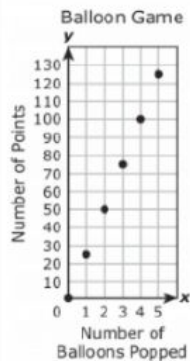
Score = ____/20

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. **To earn full credit, you must show some work when solving equations.**

****IMPORTANT:** Go to this link and insert your answers

T
h
u
r
s
d
a
y

The graph shows the number of points, y , a player earns in a balloon game based on the number of balloons the player pops, x .



Which equation best represents the relationship between x and y ?

- A $y = x + 25$
 B $x = y + 25$
 C $x = 25y$
 D $y = 25x$

Mr. Martinez asked his students to write a situation that could describe the relationship between all the values of x and y in the table.

x	0	1	2	3
y	6	7	8	9

Which situation best describes the relationship between all the values of x and y in the table?

- A Rachel had six dollars and then started to save one dollar each week.
 B Beatriz ran one mile the first week and one mile each week after that.
 C James read zero books in six months and then started to read one book each week.
 D Marion has six times the number of toy trains that Tony has.

Which table shows only values that represent the following relationship between q and r ?

$$r = q + 10.1$$

A

q	r
5	50.5
7	70.7
9	90.9
11	111.1

C

q	r
5	10.6
7	10.8
9	11.0
11	11.2

B

q	r
5	15.1
7	17.1
9	19.1
11	21.1

D

q	r
5	15.1
7	15.3
9	15.5
11	15.7

F
r
i
d
a
y

The cost of downloading one song from a website is \$0.99. Which equation can be used to find t , the cost in dollars of downloading n songs?

- F $t = 0.99 + n$
 G $n = 0.99 + t$
 H $t = 0.99n$
 J $n = 0.99t$

A firefighter uses equipment that weighs 60 pounds. The firefighter weighs x pounds. Which equation can be used to find t , the total weight of both the firefighter and his equipment in pounds?

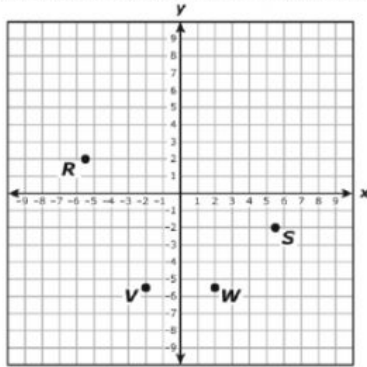
- A $t = 60x$
 B $t = x + 60$
 C $t = 60 - x$
 D $t = x - 60$

Point Q is located on the coordinate grid at $(-9, -3)$. In which quadrant is point Q located?

- A Quadrant II
 B Quadrant IV
 C Quadrant III
 D Quadrant I

Monday

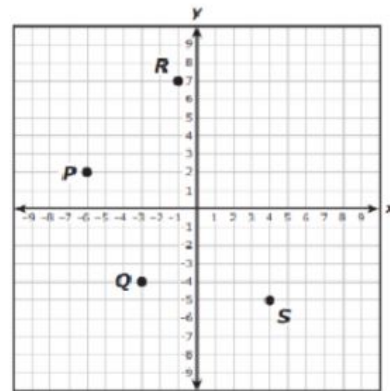
Four points are graphed on the coordinate grid.



Which point is represented by the ordered pair $(2, -5.5)$?

- F Point W
- G Point V
- H Point S
- J Point R

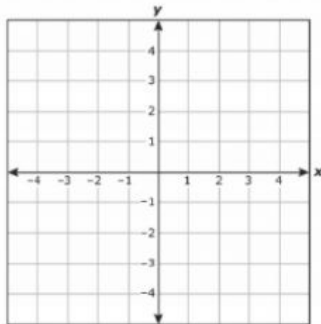
The coordinate grid shows points P, Q, R, and S. All the coordinates for these points are integers.



What is the value of the x-coordinate of point P?

Tuesday

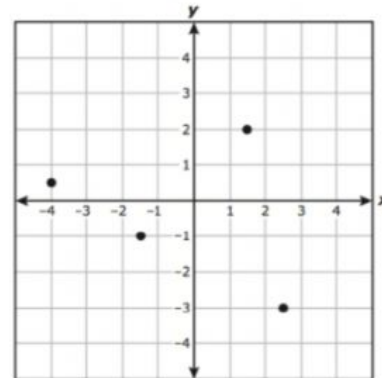
A coordinate grid is shown below.



Which ordered pair describes a point that is located 4 units to the left of the origin and 2 units below the x-axis?

- F $(4, 2)$
- G $(-4, -2)$
- H $(-4, 2)$
- J $(4, -2)$

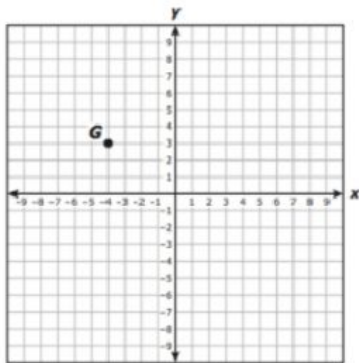
Four points are graphed on the coordinate grid.



Which ordered pair does NOT appear to be represented by one of these points?

- A $(\frac{5}{2}, -3)$
- B $(-1, -1\frac{1}{2})$
- C $(\frac{3}{2}, 2)$
- D $(-4, \frac{1}{2})$

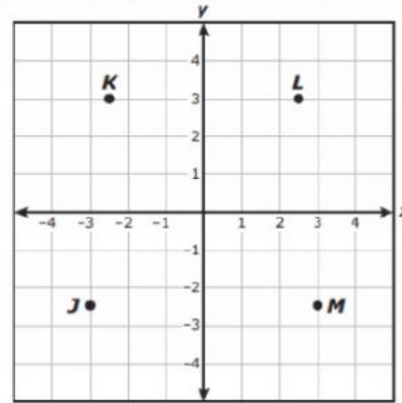
Benisha graphed point G on the coordinate grid. She will graph point H at a location 5 units away from point G.



Which ordered pair could represent the location of point H?

- A $(-4, 5)$
- B $(-9, 8)$
- C $(1, 3)$
- D $(-4, -1)$

The coordinate grid shows points J, K, L, and M.



Which point best represents the ordered pair $(-2.5, 3)$?

- A Point J
- B Point K
- C Point L
- D Point M