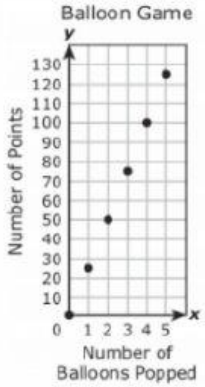
Name: _____ **Homework #6** Score = _____/20

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

Thursday

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

Friday

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

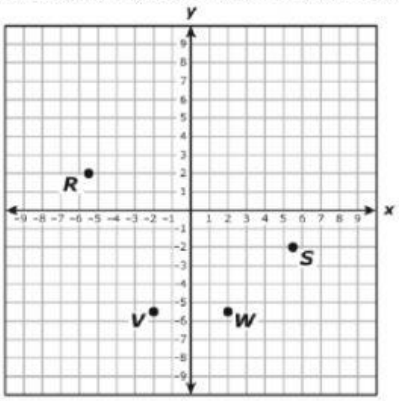
B Quadrant IV

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)?

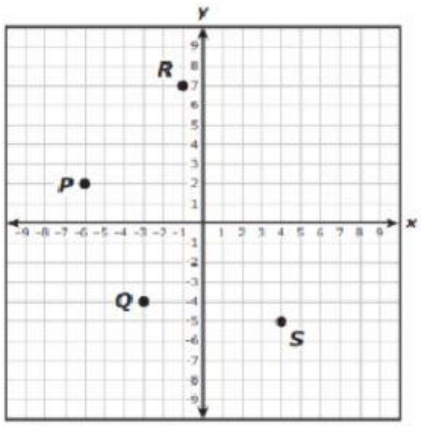
F Point *W*

G Point *V*

H Point *S*

J Point *R*

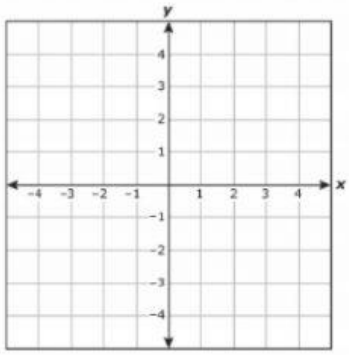
The coordinate grid shows points P, Q, R, and S. All the coordinates for these points are integers.



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?

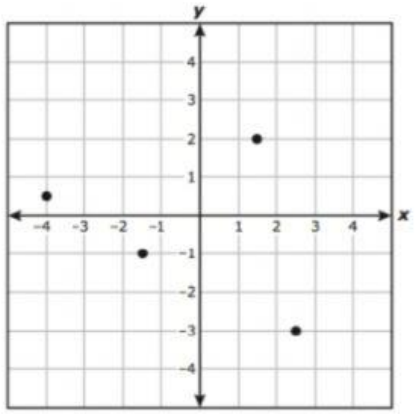
F $(4, 2)$

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 $(\frac{5}{2}, -3)$

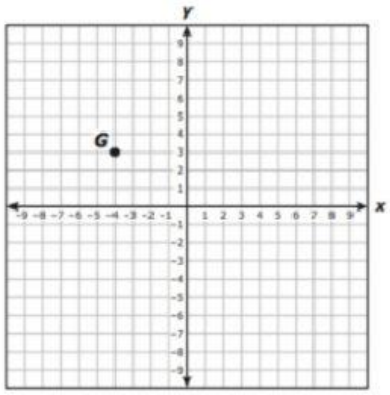
B $(-1, -1\frac{1}{2})$

C $(\frac{3}{2}, 2)$

D $(-4, \frac{1}{2})$

W e d n e s d a y

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?

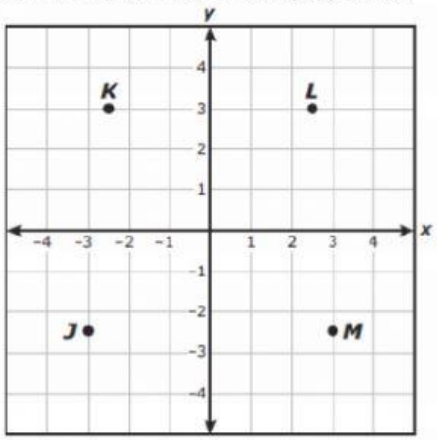
A (−4, 5)

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*