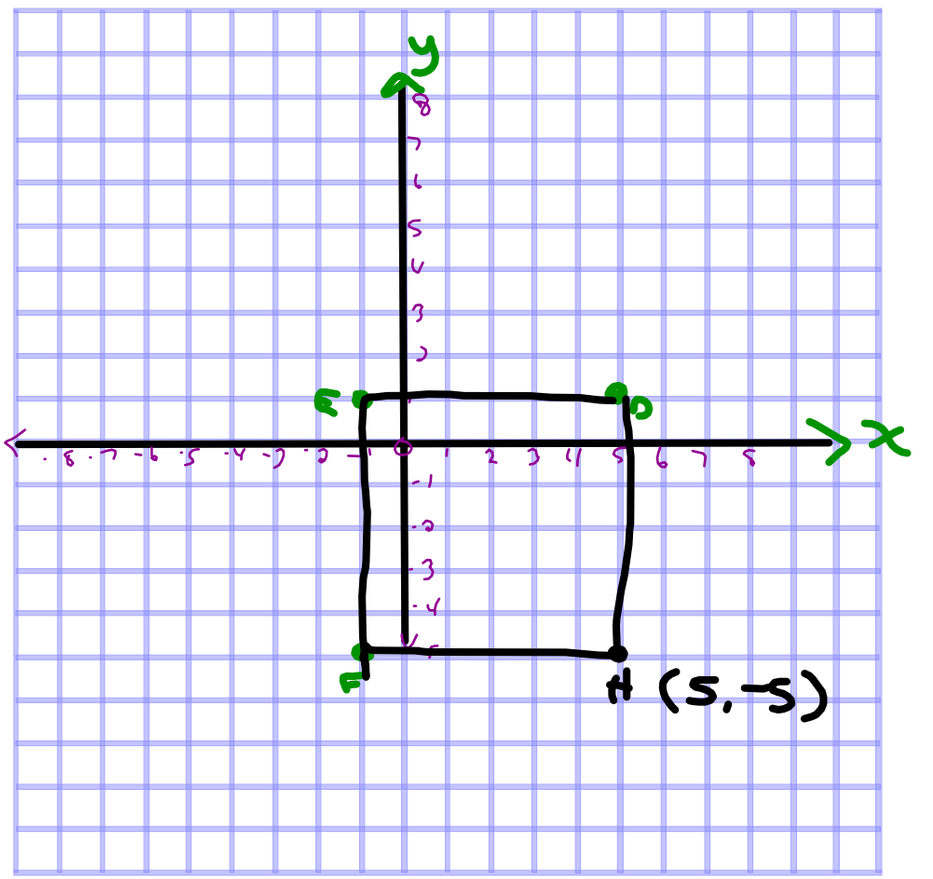
Warm Up Grade 7

Test tomorrow

1) Plot the point D(5, 1) , E(-1, 1) and F(-1, -5). Now place Point G on the grid so that when you connect the points DEFG it will make a square.



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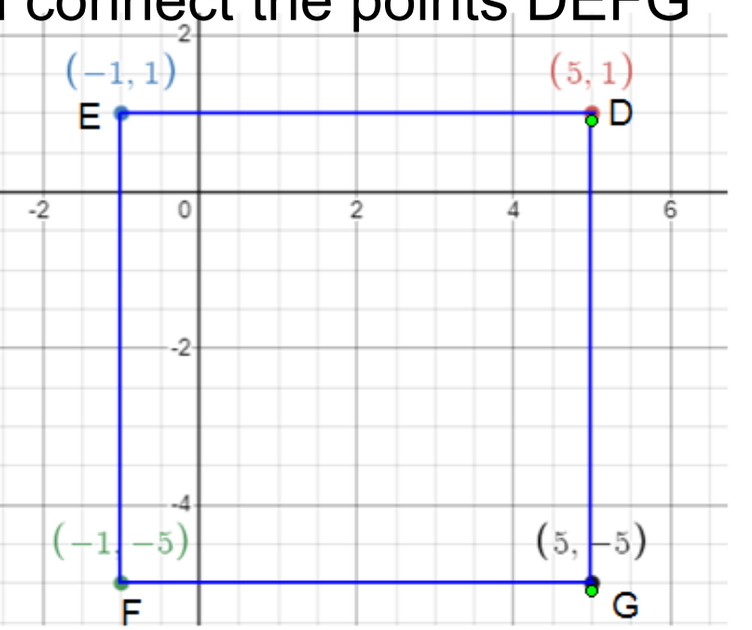


G (5, -5)

Homework Solutions On next pages

Create tables using substitution- Worksheet

a) $y = x+10$

b) $y = 4x$

c) $y = 3x - 1$

d) $y = x - 1$

e) $y = \frac{x}{2}$

f) $y = 2x + 4$

Do out each input/output and show work for each first 3 entries. Then graph on your own graph paper. Label the each axis and include a scale.

Homework Solutions

a) y = x+10

x	y
-2	8
-1	9
0	10
1	11
2	12

up 1

x= -2

y= (-2) + 10

= 8

x= -1

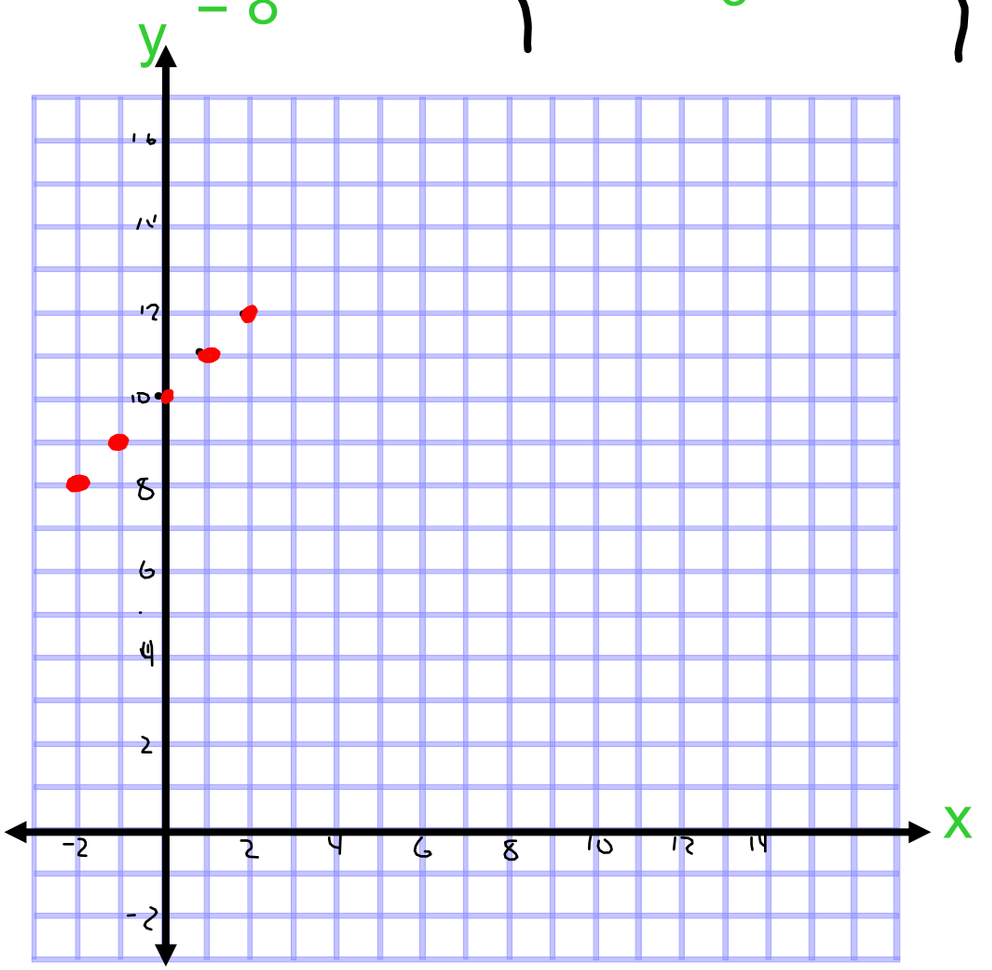
y= (-1) + 10

= 9

x= 0

y= (0) + 10

= 10



Homework Solutions

a) $y = 3x - 1$

x	y
-2	-7
-1	-4
0	-1
1	2
2	5

up 3

x= -2

y= 3(-2)-1

= -6 - 1

=-7

x= -1

y= 3(-1)-1

= -3 - 1

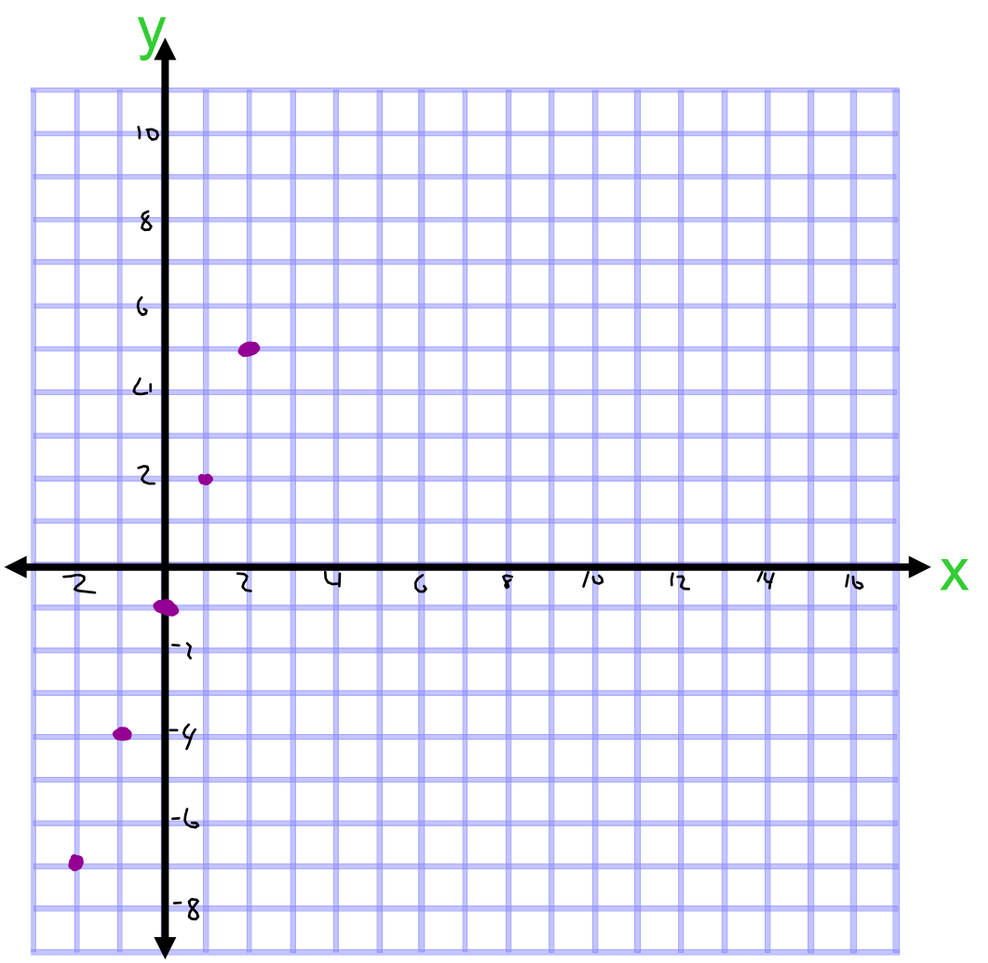
=-4

x= 0

y= 3(0)-1

= 0 - 1

=-1



Homework Solutions

a) $y = 4x$

x	y
-2	-8
-1	-4
0	0
1	4
2	8

up 4

x= -2

y= 4(-2)

= -8

x= -1

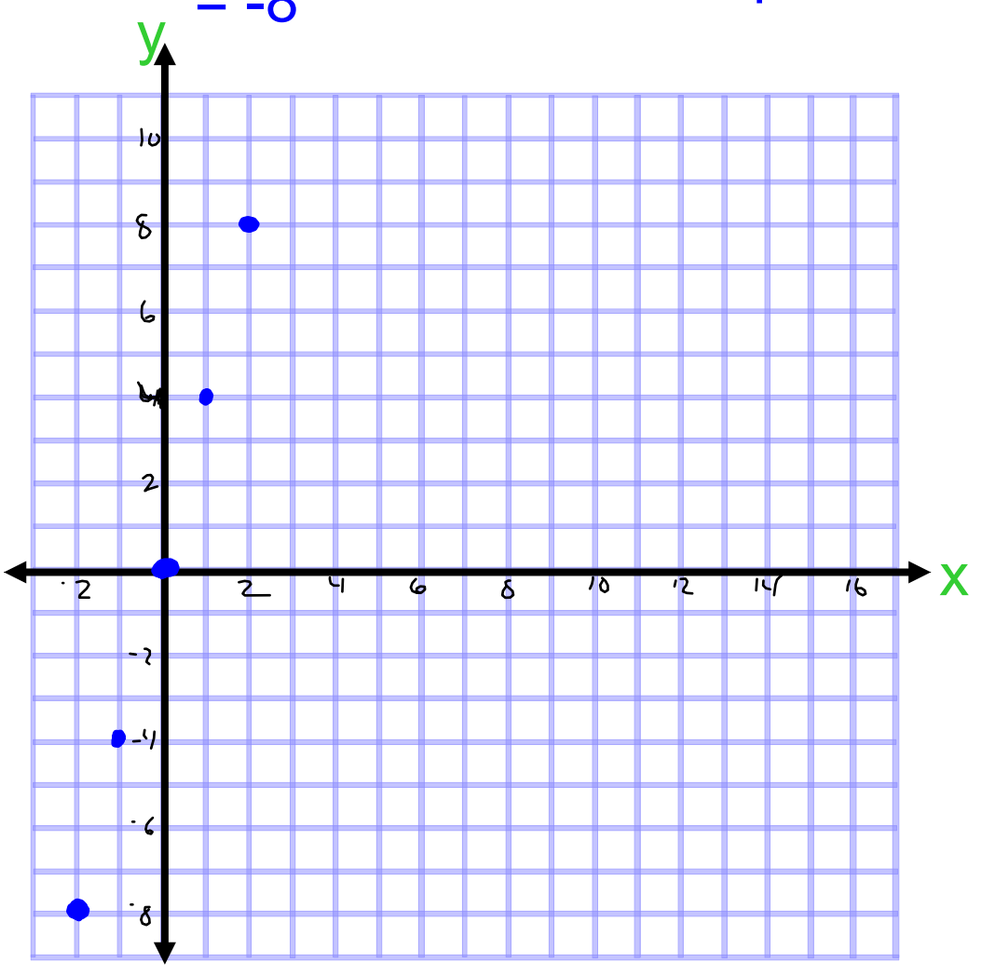
y= 4(-1)

= -4

x= 0

y= 4(0)

= 0



Homework Solutions

a) y = x-1

x	y
-2	-3
-1	-2
0	-1
1	0
2	1

up 1

x= -2

y= (-2) -1

= -3

x= -1

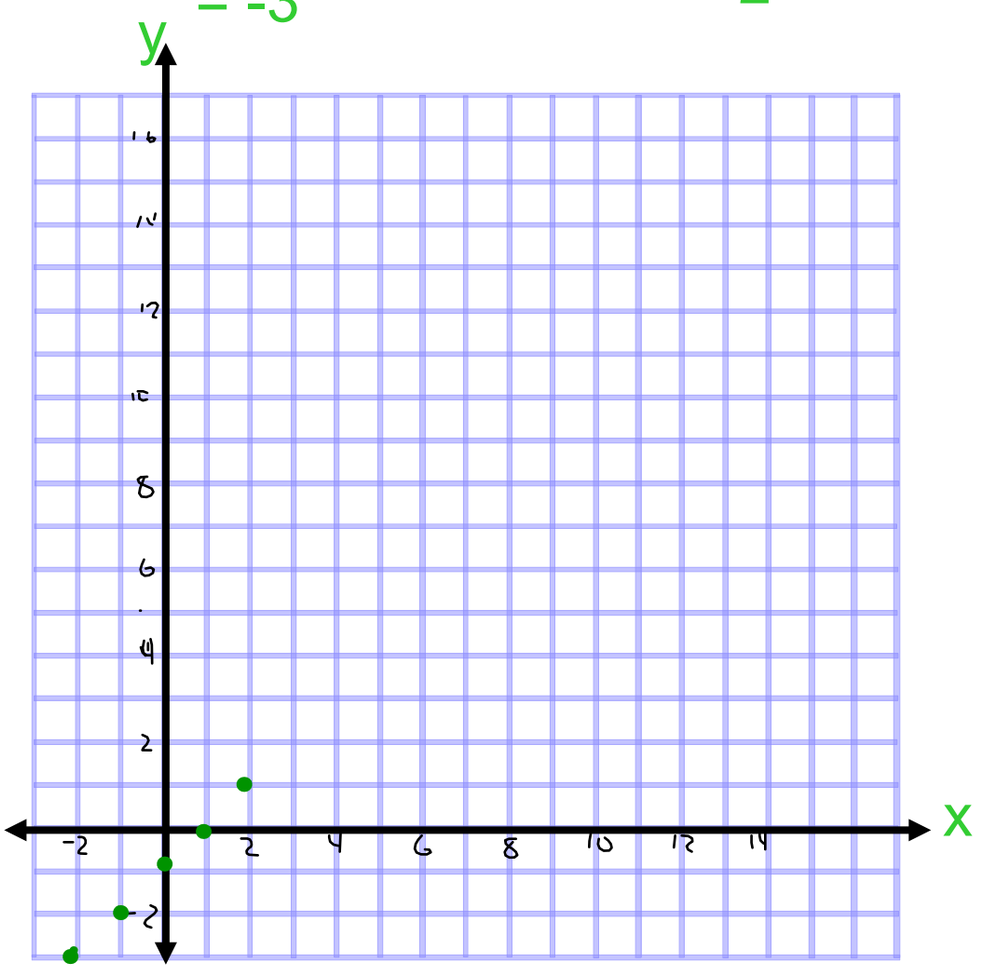
y= (-1) -1

= -2

x= 0

y= (0) -1

= -1



Homework Solutions

a) y = x/2

x	y
-2	-1
0	0
2	1
4	2
6	3

up 1

x= -2

y= -2 ÷ 2

= -1

x= 0

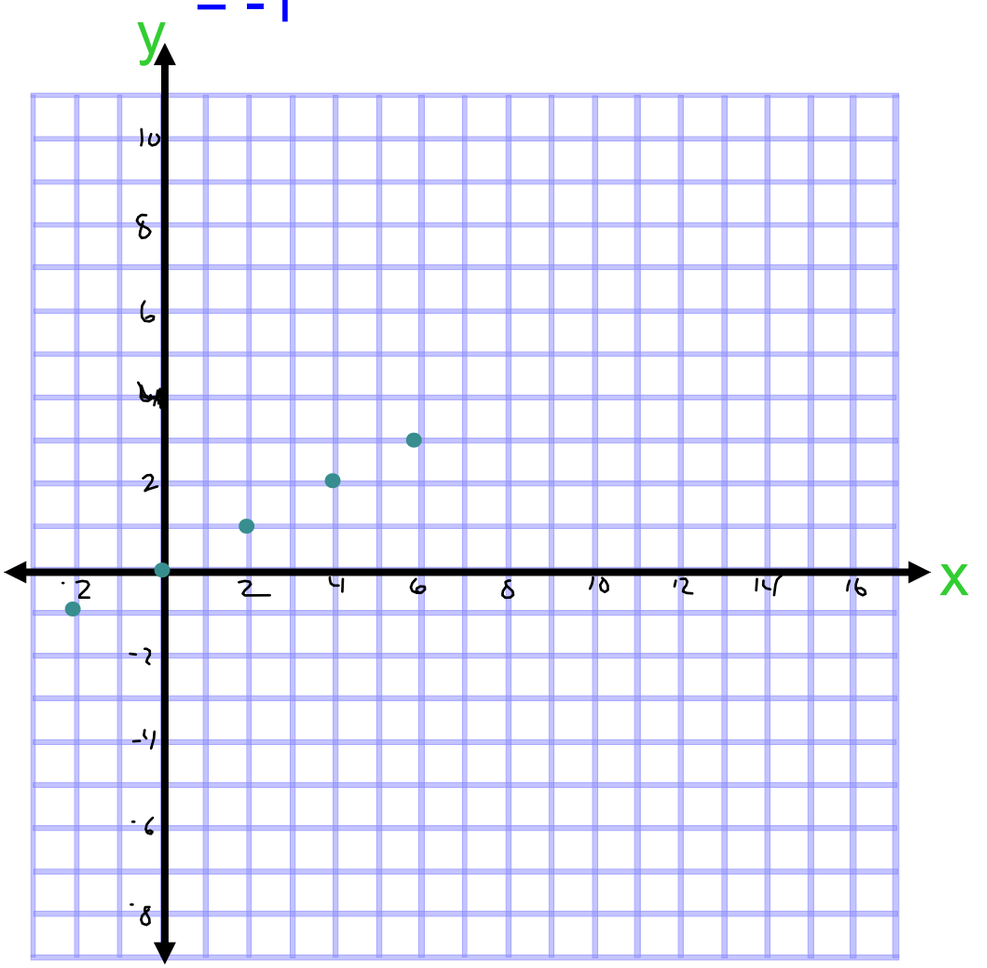
y= 0 ÷ 2

= 0

x= 2

y= 2 ÷ 2

= 1



Homework Solutions

a) $y = 2x + 4$

x	y
-2	0
-1	2
0	4
1	6
2	8

up 2

x= -2

y= 2(-2) + 4

= -4 + 4

=0

x= -1

y= 2(-1) + 4

= -2 + 4

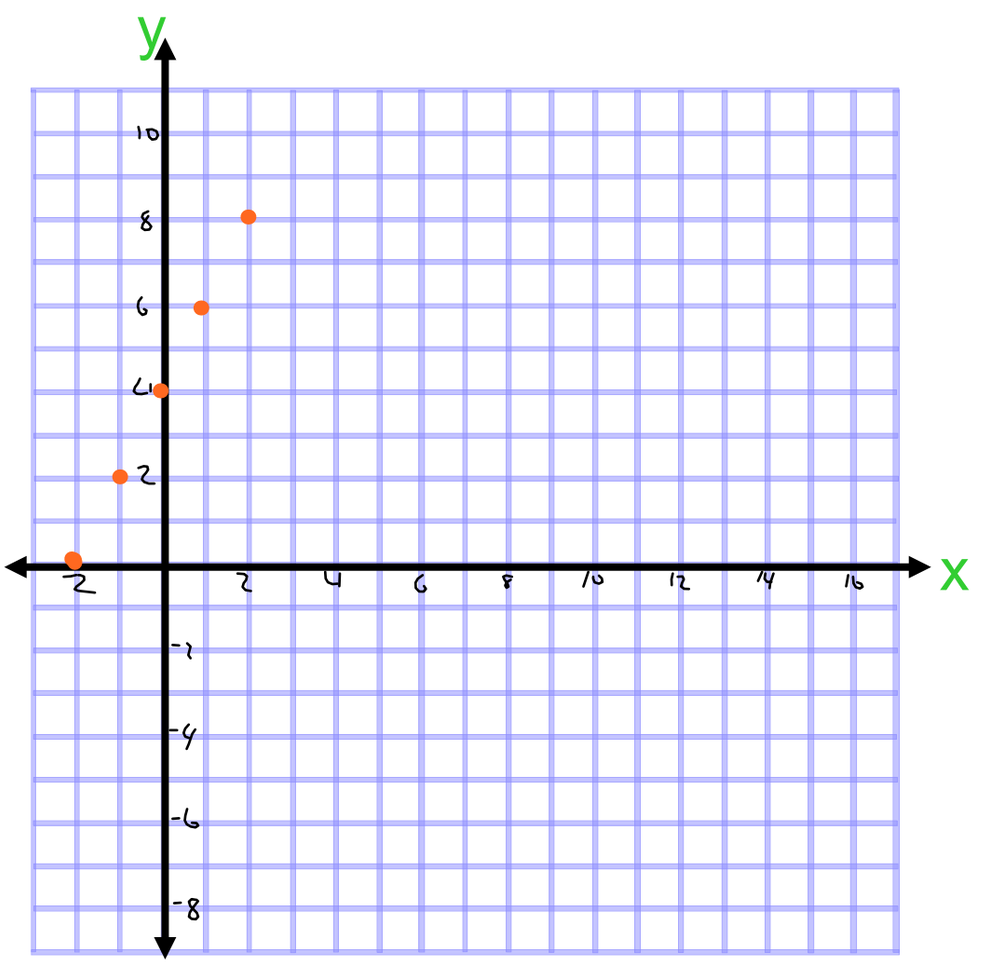
=2

x= 0

y= 2(0) + 4

= 0 + 4

=4

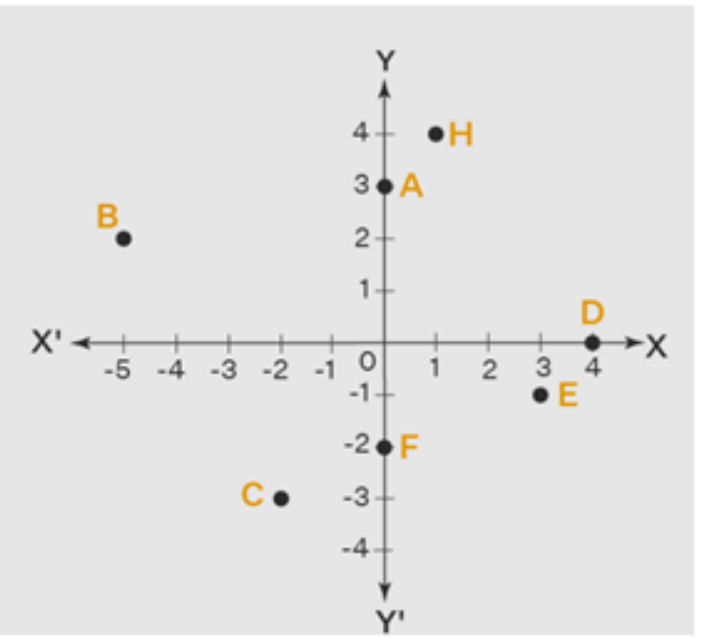


Class / Homework

Complete the pre_test Worksheet

Coordinates Pre- Test Math 7

Name: _____



Coordinate Grid

1) Using the graph to the left, list the points that are in the following quadrants

Q1→

Q2→

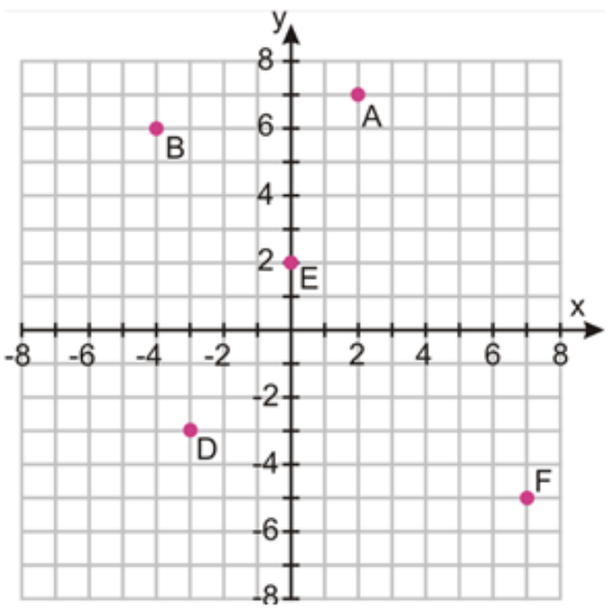
Q3→

Q4→

2) What points lie on the x-axis?

3) Name the point with coordinates (3, -1) on this grid above.

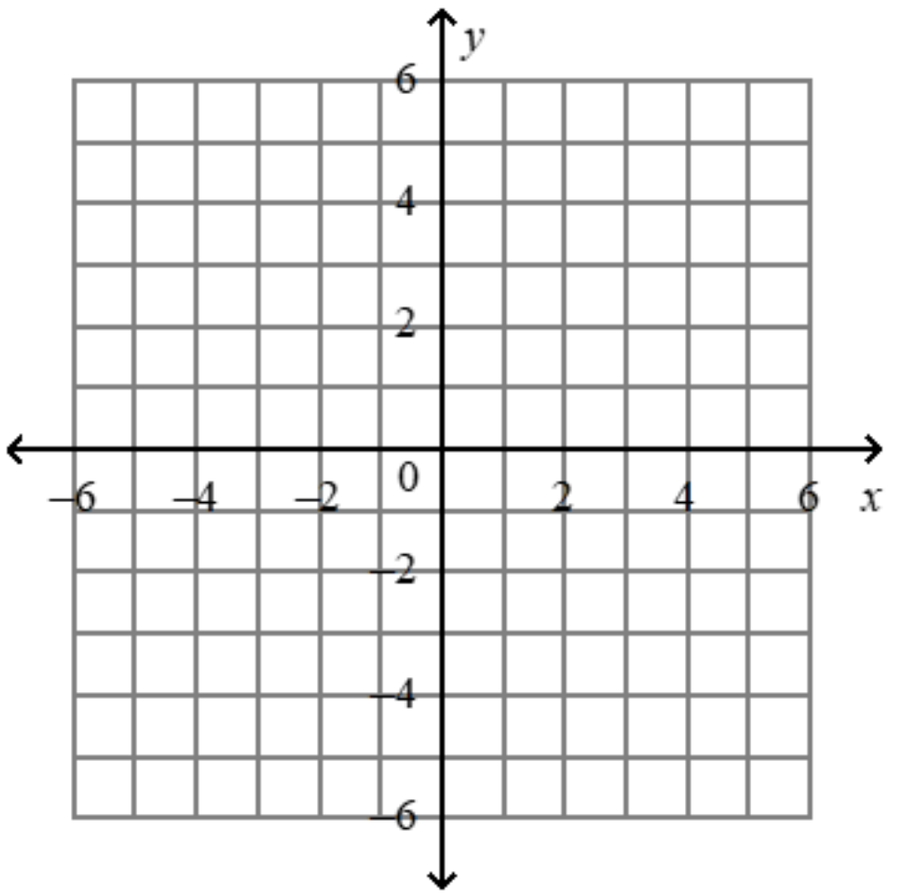
4) List the points and the coordinates for each point below



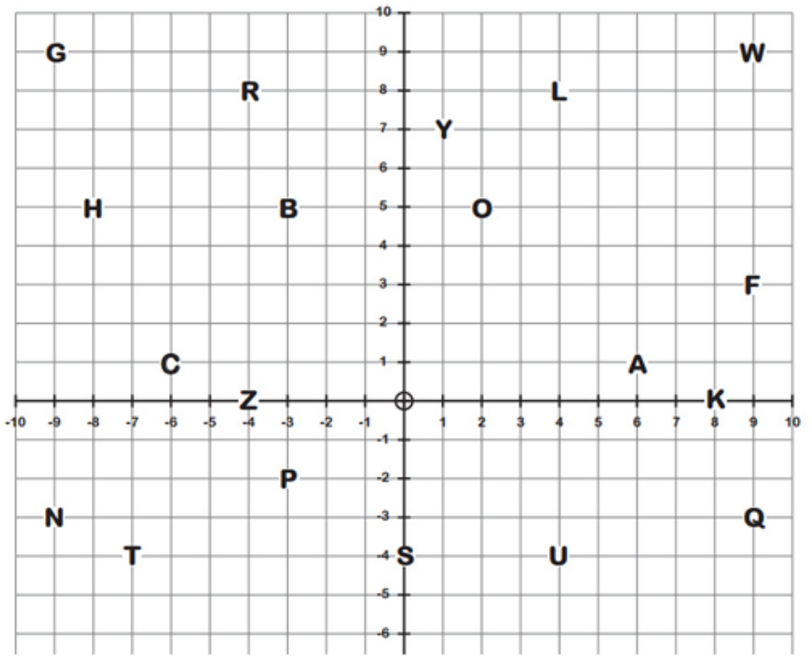
5)If you were to connect the pints ABE, what shape what you make?

6) Where could you place point Z so that if you connect A B E Z, it will form a rhombus?

7. Plot these points on the same grid: A(1, 4), B(-4, 0), C(2, -4), D(0, 6), E(-5, 0)



Make sure to put the dot and then the letter over the dot for each.



8) Using the coordinates in the above graph, find which point have the following (Put the letter or letters in the blank.)

a) y-coordinate is 0? _____

b) Same y-coordinate? _____

c) Equal x- and y-coordinates? _____

d) x-coordinate -3? _____

9)a) Create a table of values using substitution for **y = x - 4** (Hint: Input /Output)

X	**Y**

Show work for the first 3 entries

b) Graph the y= x - 4 (Label all axis, include scales)