



Math 9 Homework & Notebook



Name: _____

Block: _____

Teacher: Miss Zukowski

Date Submitted: ____ / ____ / 2018

Unit # _____:

Submission Checklist: (make sure you have included all components for full marks)

- Cover page & Assignment Log
- Class Notes
- Homework (attached any extra pages to back)
- Quizzes (attached original quiz + corrections made on separate page)
- Practice Test/ Review Assignment

Assignment Rubric: Marking Criteria			
Excellent (5) - Good (4) - Satisfactory (3) - Needs Improvement (2) - Incomplete (1) - NHI (0)		Self Assessment	Teacher Assessment
Notebook	<ul style="list-style-type: none">● All teacher notes complete● Daily homework assignments have been recorded & completed (<i>front page</i>)● Booklet is neat, organized & well presented (<i>ie: name on, no rips/stains, all pages, no scribbles/doodles, etc</i>)	/5	/5
Homework	<ul style="list-style-type: none">● All questions attempted/completed● All questions marked (<i>use answer key, correct if needed</i>)	/5	/5
Quiz (1mark/dot point)	<ul style="list-style-type: none">● Corrections have been made accurately● Corrections made in a <u>different colour pen/pencil</u> (+½ mark for each correction on the quiz)	/2	/2
Practice Test (1mark/dot point)	<ul style="list-style-type: none">● Student has completed all questions● Mathematical working out leading to an answer is shown● Questions are marked (<i>answer key online</i>)	/3	/3
Punctuality	<ul style="list-style-type: none">● All checklist items were submitted, and completed on the day of the unit test. (-1 each day late)	/5	/5
Comments:		/20	/20



Homework Assignment Log

Textbook Pages: _____

Date	Assignment/Worksheet	Due Date	Completed?

Quizzes & Tests:

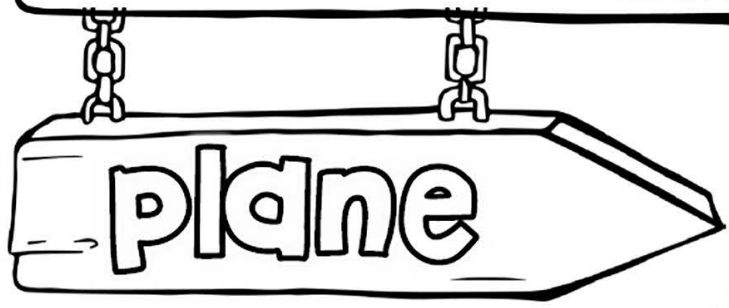
What?	When?	Completed?
Quiz 1		
Quiz 2		
Unit/ Chapter test		



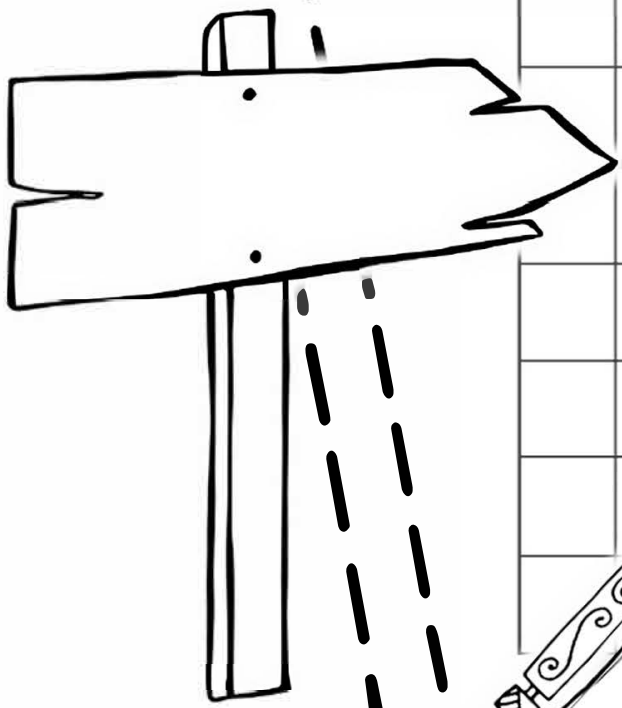
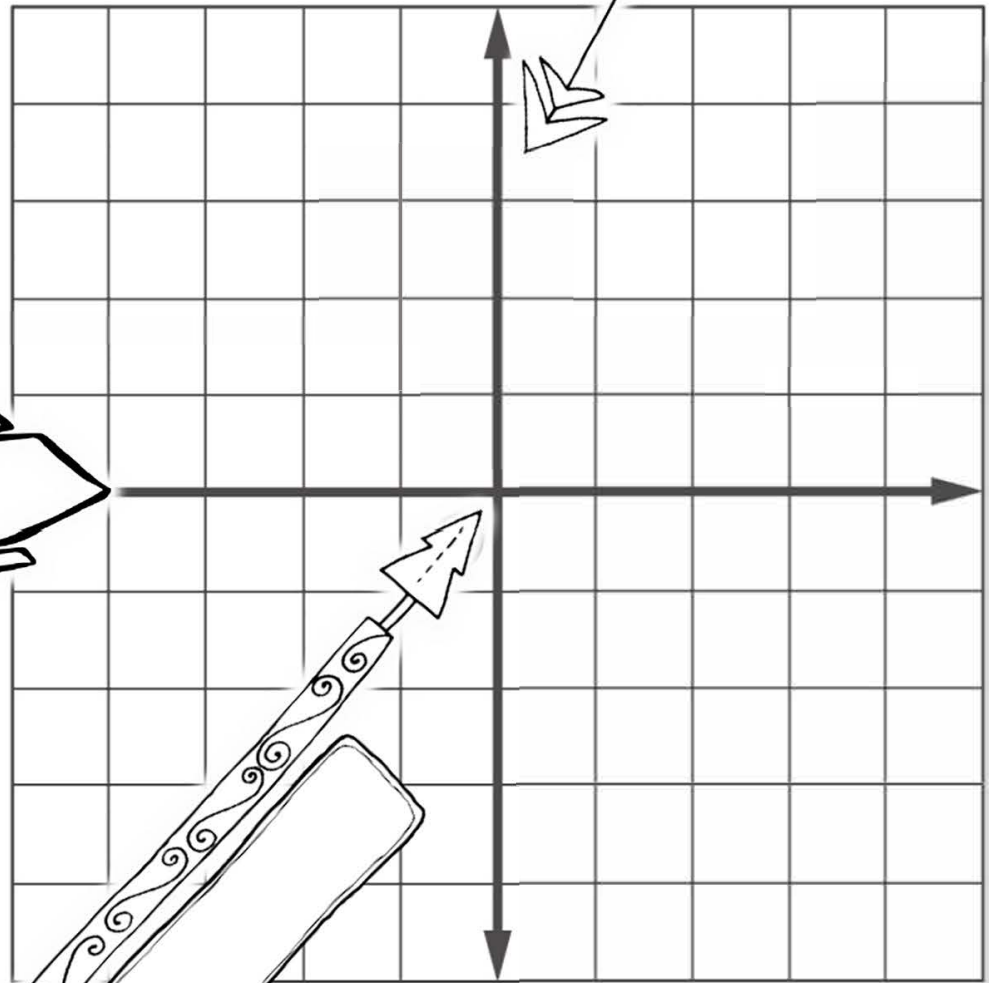
The coordinate plane is made of two intersecting



one horizontal & one vertical.



vocabulary



Name:

Name: _____

Plotting Points

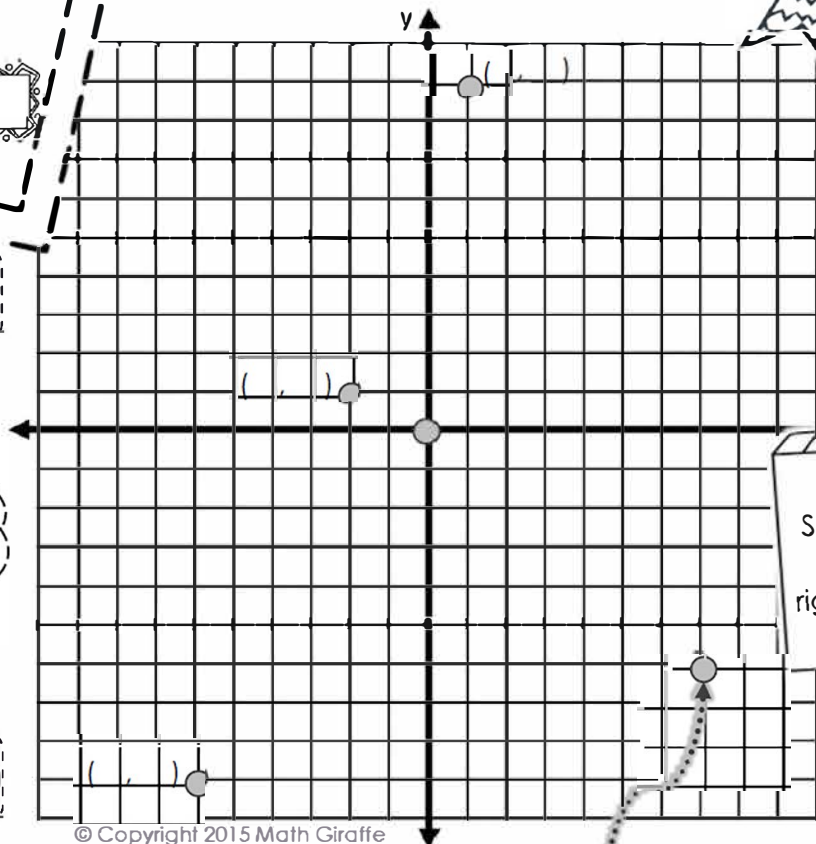
1 Start at the

2 Count out the

3 From there, count out the

Fill in the blanks to write ordered pairs for the points that are labeled.

An **ordered pair** identifies a point and contains an x-coordinate and y-coordinate.



,
Ordered Pairs for Quadrant II

,
Ordered Pairs for Quadrant I

Points _____ do not lie in any _____.

,
Ordered Pairs for Quadrant III:

Try plotting $(3, -2)$. Start at **the origin**. Count 3 units to the right, then 2 units down. Now try $(-1, 5)$.

,
Ordered Pairs for Quadrant IV:

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The plural of "axis" is _____.

$(7, -6)$

ordered pair

Right and **UP** are **POSITIVE** movements,

and **Left** & **DOWN** are **NEGATIVE** movements.

Which quadrants will have positive x-coordinates? y-coordinates? Place a + or - in each circle to show what the ordered pairs will look like in each quadrant. (Like this):

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5.0 Intro to Graphing in Four Quadrants

A **Cartesian coordinate system** is made up of two real lines:

One **horizontal**, called the _____

One **vertical**, called the _____

The point where the axes cross is called the _____

The axes divide the page into four sections called _____

_____.

Each point has two coordinates presented in the form: (x, y) :

The first one, called the _____ gives the position of the point relative to the _____

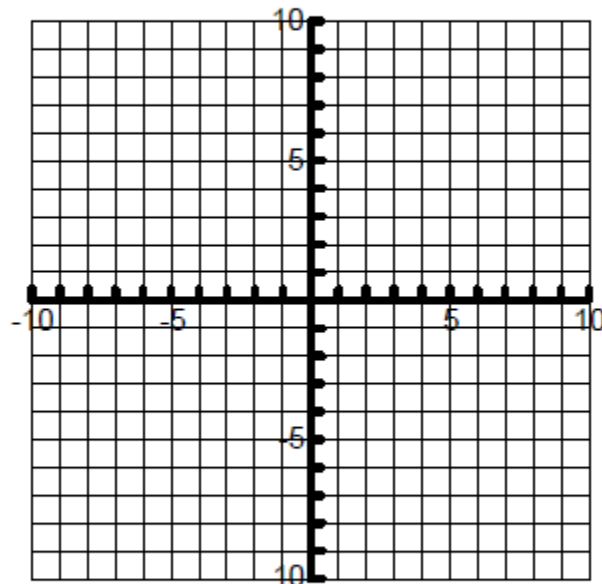
The second one, called the _____ gives the position of the point relative to the _____.

Example #1:

a) Plot and label the following points on the grid provided.

A(2, 3) B(-5, 4) C(3, -6) D(-7, -7) E(4, 0) F(0, 9)

G(-8, 0) H(0, -2) I(0, 0) *J(9.5, 8.5) *K($\frac{9}{2}, -3$)



b) Where applicable, state which quadrant the coordinate is in.

A: _____ B: _____ C: _____ D: _____ E: _____ F: _____

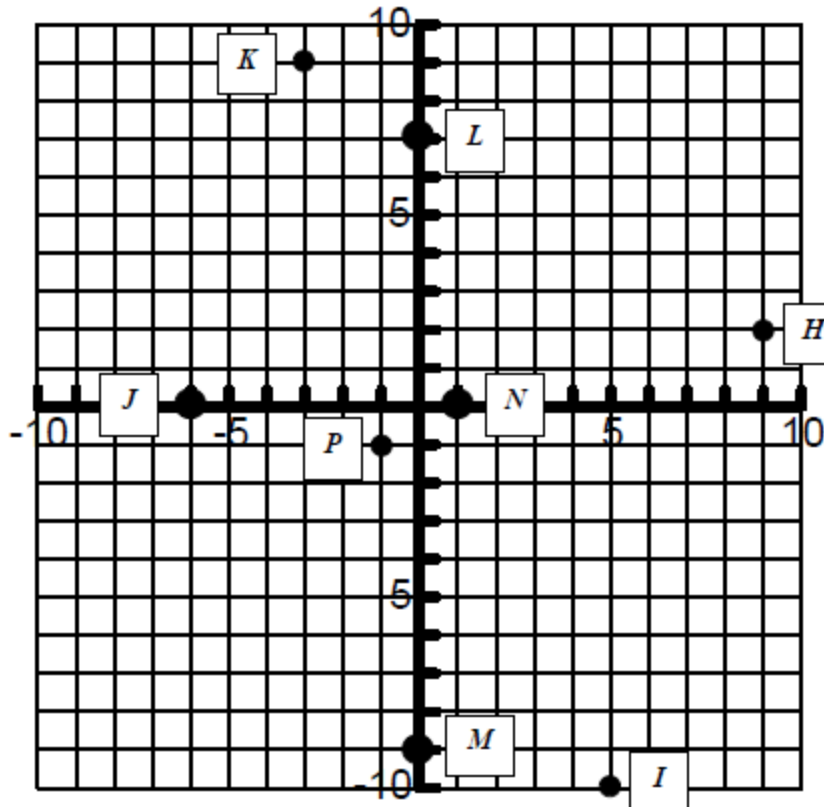
G: _____ H: _____ I: _____ J: _____ K: _____

Practice:

1. Plot the following points: $A(4, 7)$ $B(-3, 5)$ $C(-5, -8)$ $D(6, -1)$
 $E(7, 0)$ $F(-9, 0)$ $G(0, 3)$

2. Give the coordinates of the points shown on the graph.

$H(\underline{\quad}, \underline{\quad})$ $I(\underline{\quad}, \underline{\quad})$ $J(\underline{\quad}, \underline{\quad})$ $K(\underline{\quad}, \underline{\quad})$
 $L(\underline{\quad}, \underline{\quad})$ $M(\underline{\quad}, \underline{\quad})$ $N(\underline{\quad}, \underline{\quad})$ $P(\underline{\quad}, \underline{\quad})$

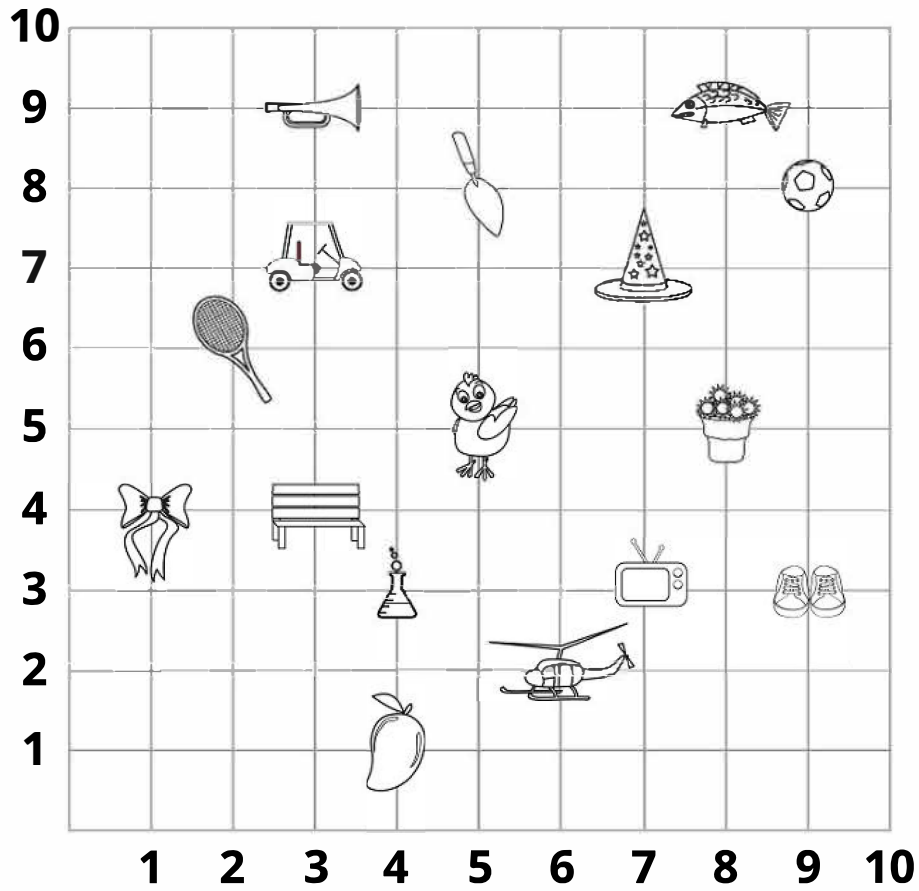


3. What are the coordinates of the origin? _____
4. Where are points that have an x -coordinate of 0 located? _____
 Where are points that have a y -coordinate of 0 located? _____

5. Fill in the chart:

Quadrant	I	II	III	IV
Sign of x -coordinate				
Sign of y -coordinate				

Ordered Pairs (x,y)



Write the ordered pair for each of the objects listed.

example: television - (7,3)

a. helicopter - _____ b. shoes - _____ c. pepper - _____

d. wizard's hat - _____ e. fish - _____ f. golf cart - _____

Tell which object is located at each point.

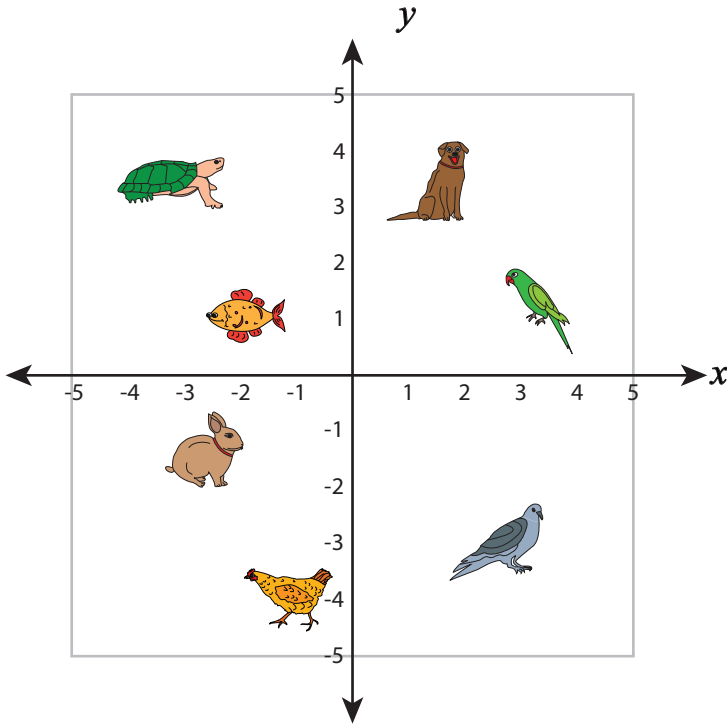
g. (3,4) - _____ h. (2,6) - _____ i. (1,4) - _____






j. (5,5) - _____ k. (9,8) - _____ l. (3,9) - _____



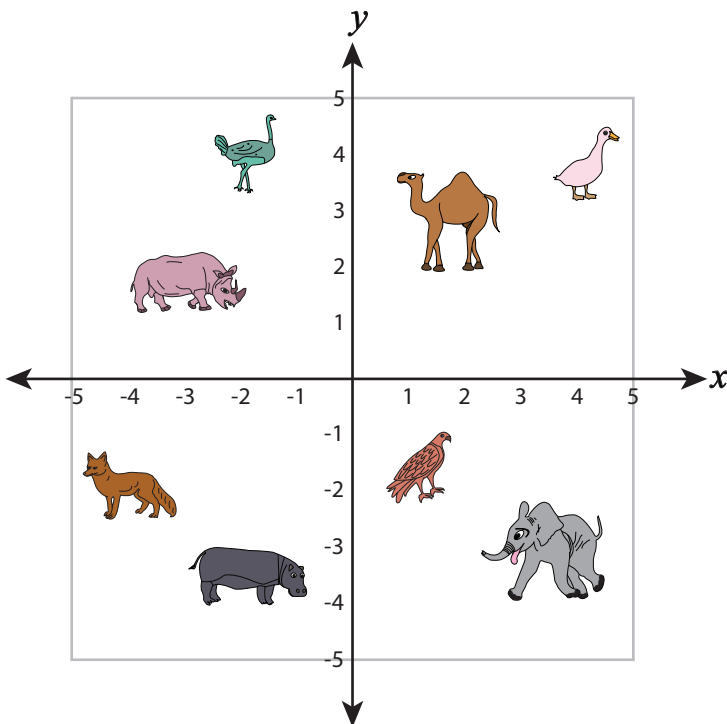
Identifying Quadrant

A) Write the quadrant belongs to each animal.



-  _____
-  _____
-  _____
-  _____
-  _____

B) Write the animals belong to each quadrant.



I - quadrant : _____ , _____

II - quadrant : _____ , _____

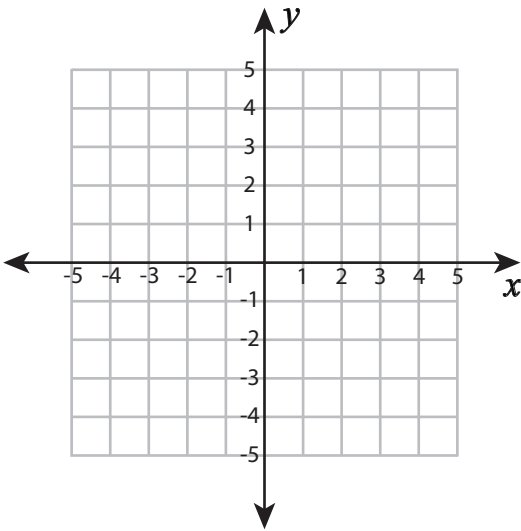
III - quadrant : _____ , _____

IV - quadrant : _____ , _____

Plotting Points - Line segments

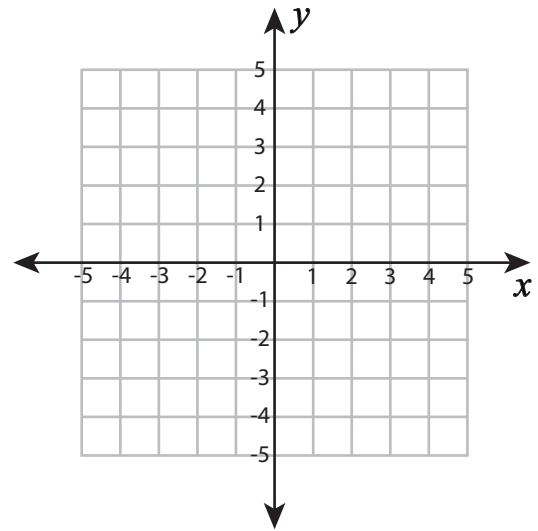
Plot each set of ordered pairs. Join the points and find the length of the line segment.

1) $(3, -1), (3, 4)$



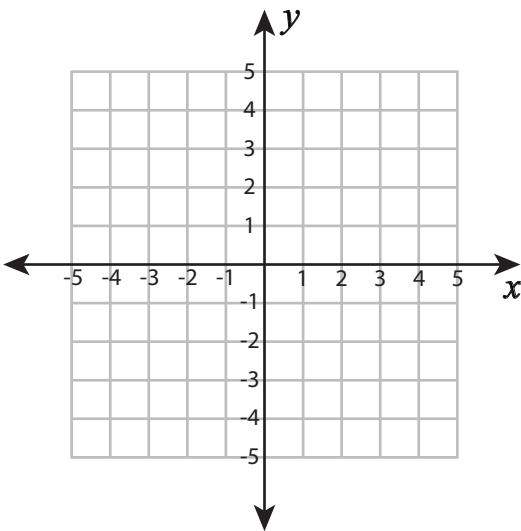
Length of the line segment = _____

2) $(-4, 1), (4, 1)$



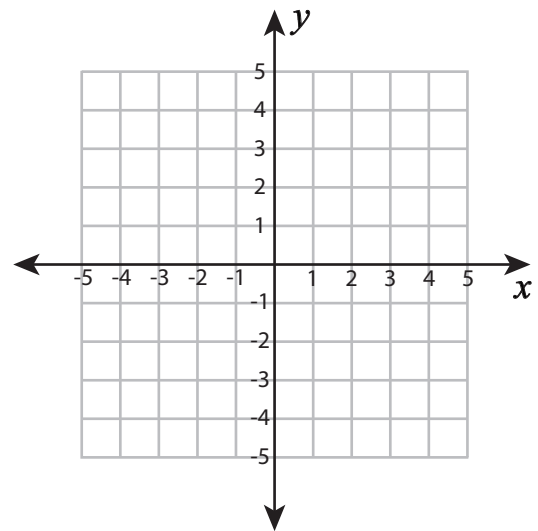
Length of the line segment = _____

3) $(-3, 1), (-3, 4)$

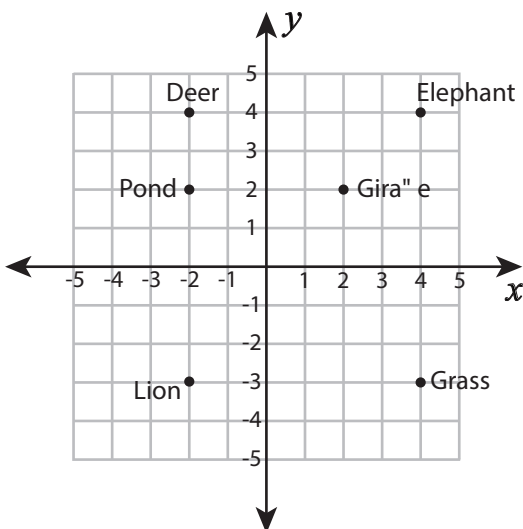


Length of the line segment = _____

4) $(-1, -4), (1, -4)$



Length of the line segment = _____



5) How far an elephant is away from the grass? _____

6) Which is closer to the pond, giraffe or deer? _____

7) How many units does the lion move to catch the deer? _____



Coordinate Graphing Mystery Picture - Four Quadrants

Plot the ordered pairs and connect them with a straight line as you plot.

START	(9,10)	(-16,-2)	(7,-12)
(7,2)	(7,7)	(-12,-1)	(10,-10)
(9,2)	(6,8)	(-16,2)	(6,-8)
(9,4)	STOP	(-12,3)	(10,-3)
(7,4)		(-15,6)	(7,-4)
(7,2)	START	(-11,7)	STOP
STOP	(-3,-9)	(-10,10)	
	(-2,-6)	(-8,7)	START
START	(0,-10)	(-5,10)	(9,17)
(-1,0)	(1,-6)	(-3,6)	(12,16)
(1,0)	(3,-10)	(-1,10)	(15,19)
(0,4)	(4,-8)	(0,8)	(14,15)
(-1,0)	STOP	STOP	(17,14)
STOP			(14,13)
	START	START	(15,8)
START	(5,19)	(-3,-19)	(12,12)
(-13,8)	(1,13)	(0,-17)	(7,11)
(-10,12)	(3,9)	(3,-19)	(11,14)
(-5,11)	(0,8)	(1,-16)	(9,17)
(-9,14)	(1,6)	(3,-14)	STOP
(-7,18)	(-2,6)	(1,-14)	
(-10,16)	(-4,-5)	(0,-11)	START
(-13,20)	(-1,-5)	(-1,-14)	(-10,-19)
(-12,15)	(-1,-2)	(-3,-14)	(-4,-14)
(-16,14)	(1,-2)	(-1,-16)	(-7,-10)
(-12,13)	(1,-5)	(-3,-19)	(-3,-9)
(-13,8)	(4,-5)	STOP	(-6,-3)
STOP	(2,7)		(-9,-3)
	(6,8)	START	(-4,6)
START	(3,13)	(7,-4)	(-12,6)
(8,-9)	(5,19)	(7,0)	(-11,4)
(9,-6)	STOP	(10,0)	(-8,4)
(12,-9)		(11,1)	(-13,-5)
(11,-5)	START	(11,5)	(-6,-5)
(14,-6)	(-5,-8)	(10,6)	(-5,-8)
(12,-2)	(-7,-6)	(5,6)	(-9,-10)
(16,-1)	(-9,-9)	(5,-5)	(-6,-14)
(12,2)	(-10,-6)	(7,-5)	(-10,-19)
(16,4)	(-13,-10)	(4,-8)	STOP
(12,5)	(-12,-6)	(7,-10)	
(13,9)	(-16,-7)	(4,-12)	
(10,7)	(-13,-4)	(9,-19)	

Coordinate Graphing Mystery Picture - Four Quadrants

Name: _____

