Graphing Ordered Poirs

6.NS.6.2 I can place (graph) ordered pairs in all four quadrants of the coordinate plane.

Flashback

 What is the mean of the following data set? 	2) What is the Range of the following set of numbers?
98, 208, 189, 94, 117	
	164, 192, 265, 99, 108
a) 141.2	,,,
b) 99.6	a) 164
,	
c) 176.5	b) 165.6
d) 147.25	c) 99
	d) 166
3) The following lists the height in inches of	4) What is the median of the following
seven Boyle County Rebels basketball	set of numbers:
players:	
Player 1: 73 in	57, 71, 66, 50, 74, 55, 62, 77
Player 2: 77 in	
Player 3: 80 in	a) 62
Player 4: 86 in	b) 57
Player 5: 77 in	c) 64
Player 6: 84 in	d) 59.5
Player 7: 81 in	,
What is the mode height on the basketball team?	
a) 77 in	
b) 86 in	
c) 13 in	
d) 79.7 in	

The Boy who invented the coordinate plane – Renes' Descartes

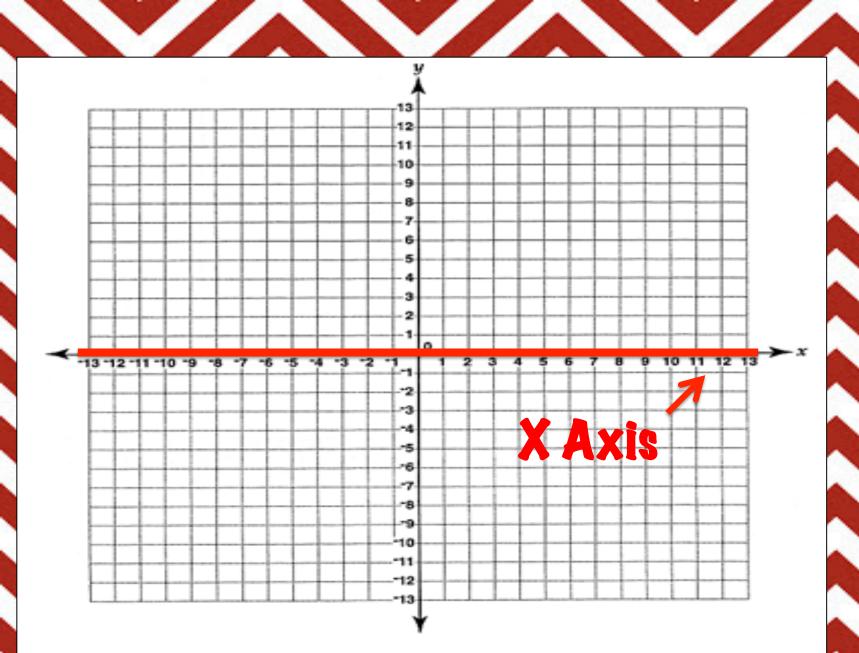
Today's Lesson

I can graph ordered pairs on the coordinate plane.



- **Coordinate plane_:** The plane formed by two perpendicular lines called the x-axis and y-axis.
- The coordinate plane is divided into four regions. Each region is called a **Quadrant**.
- X-Axis : the horizontal number line.

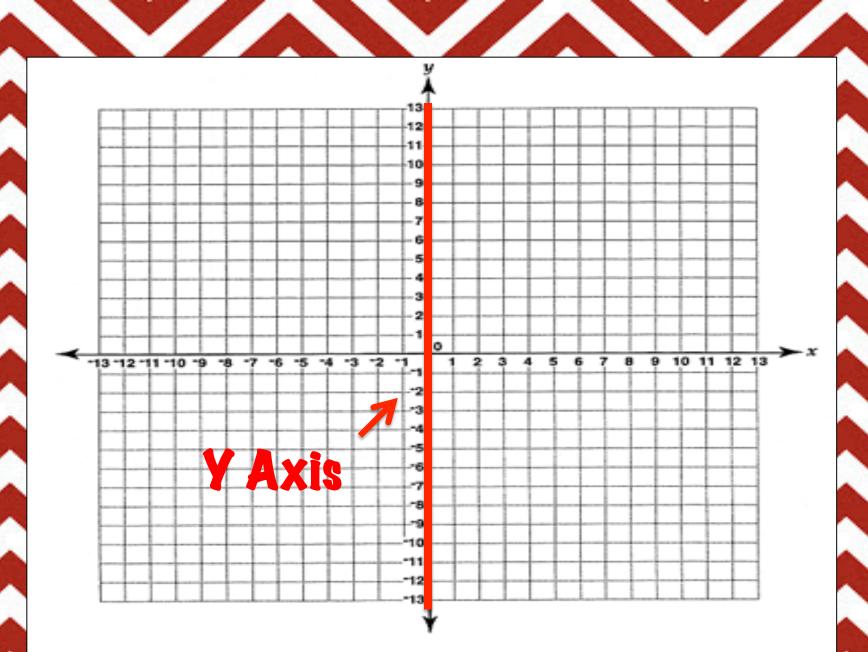




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LESSON NOTES - VOCABUIDRY

Y- Axis : the vertical number line.



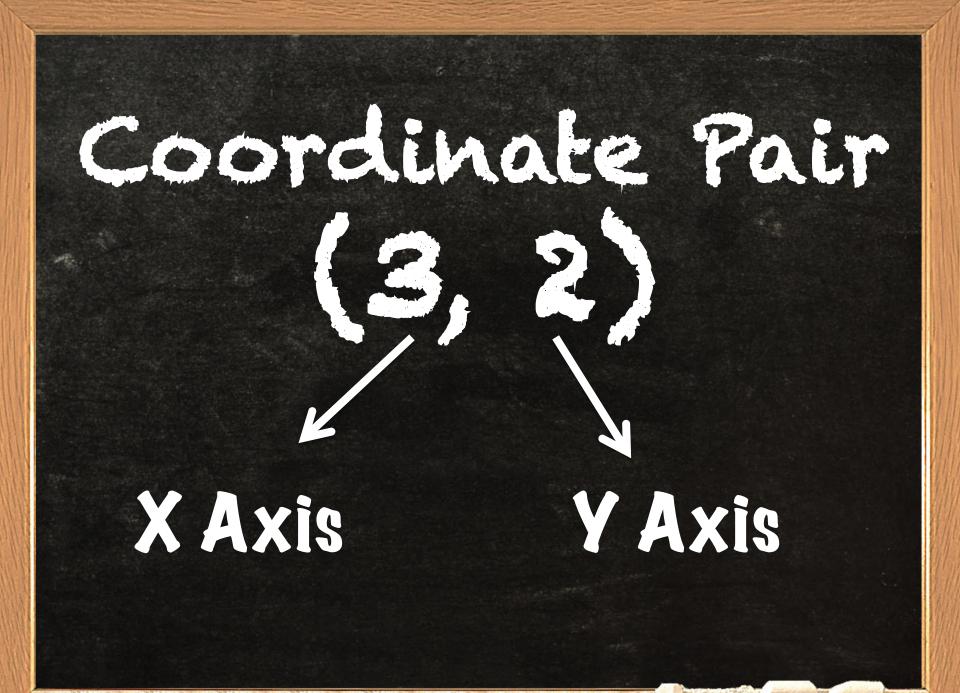
LESSON NOTES - VOCABUIDRY

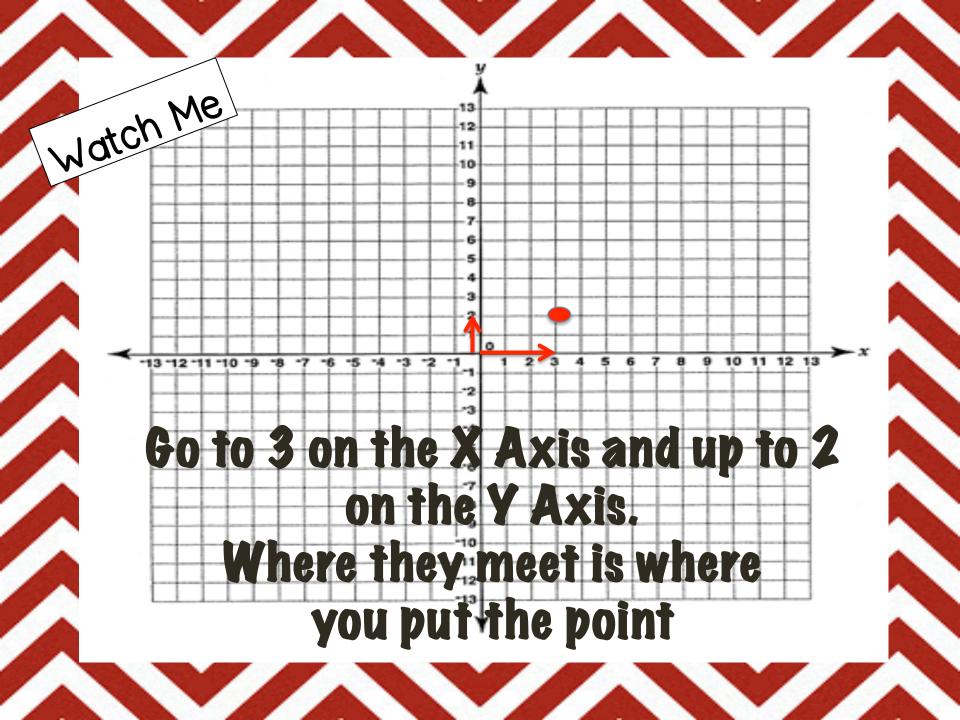
Ordered Pair : a pair of numbers that represent a unique point in the coordinate plane. Remember, taXi before vou flY.

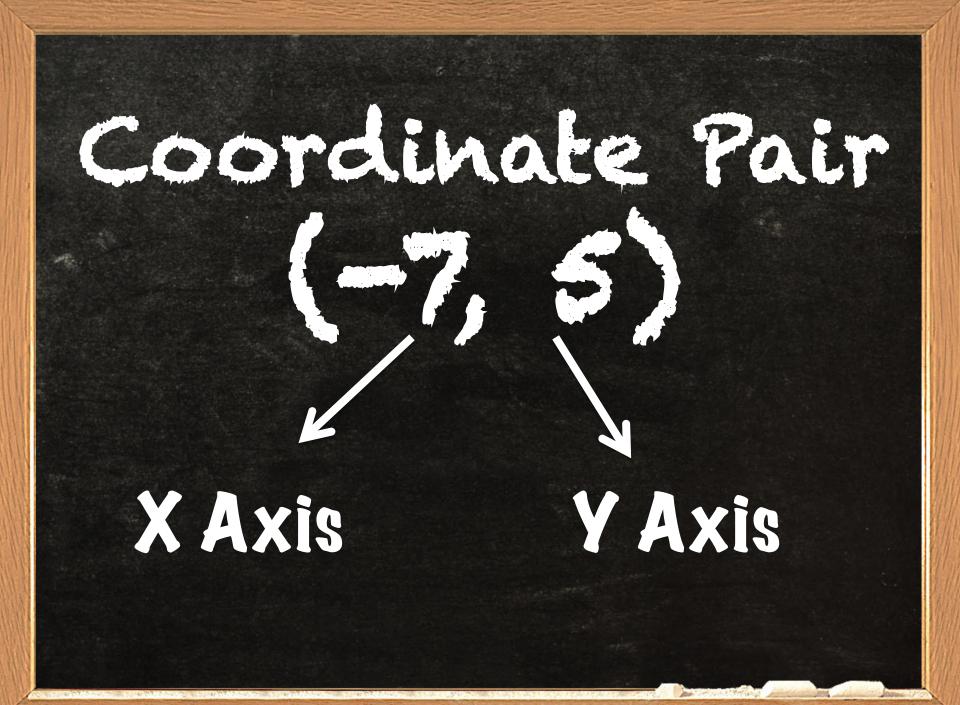
Lesson Notes - Vocabulary

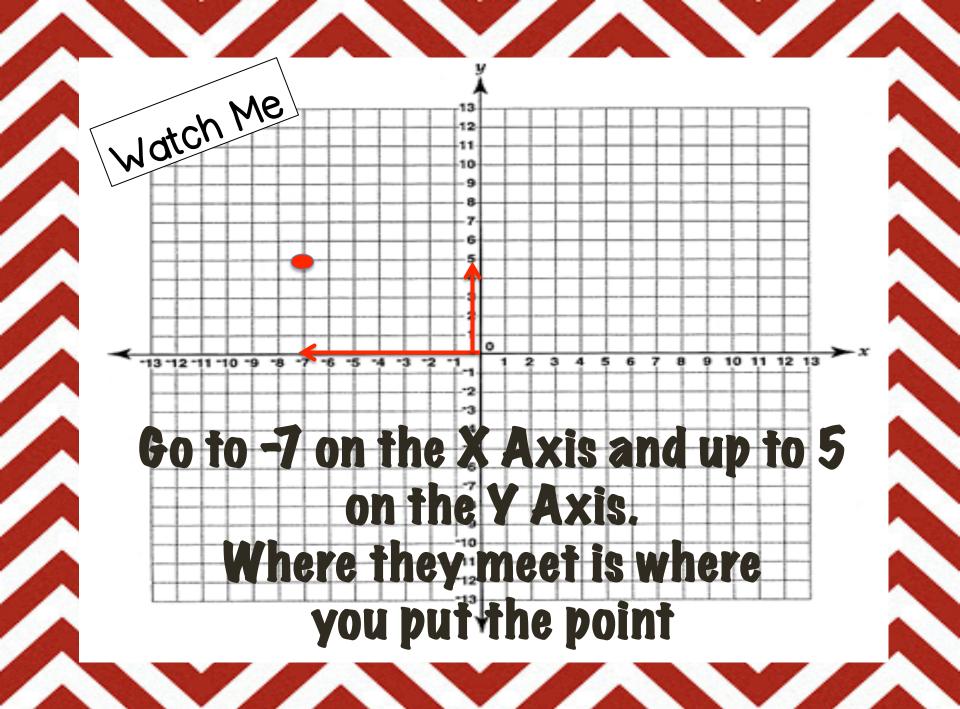
Origin : the center of the coordinate plane. It has coordinates (0,0) It is the point we always start when we are graphing.

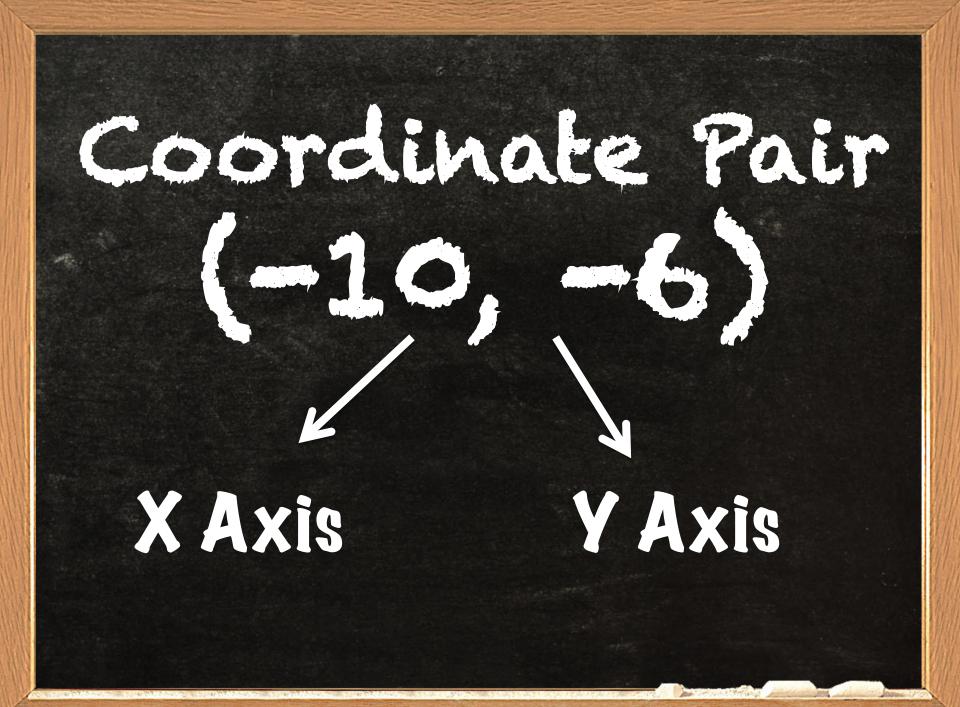
To graph a point in the coordinate plane, start at the origin. Look first at the x coordinate. If the x -coordinate is positive, move that many spaces to the **right**. If the x coordinate is negative, move that many spaces to the **left**. From your xcoordinate location, look at the y-coordinate. If the y coordinate is positive, go **UP** that many spaces. If the ycoordinate is negative, go **down** that many spaces.

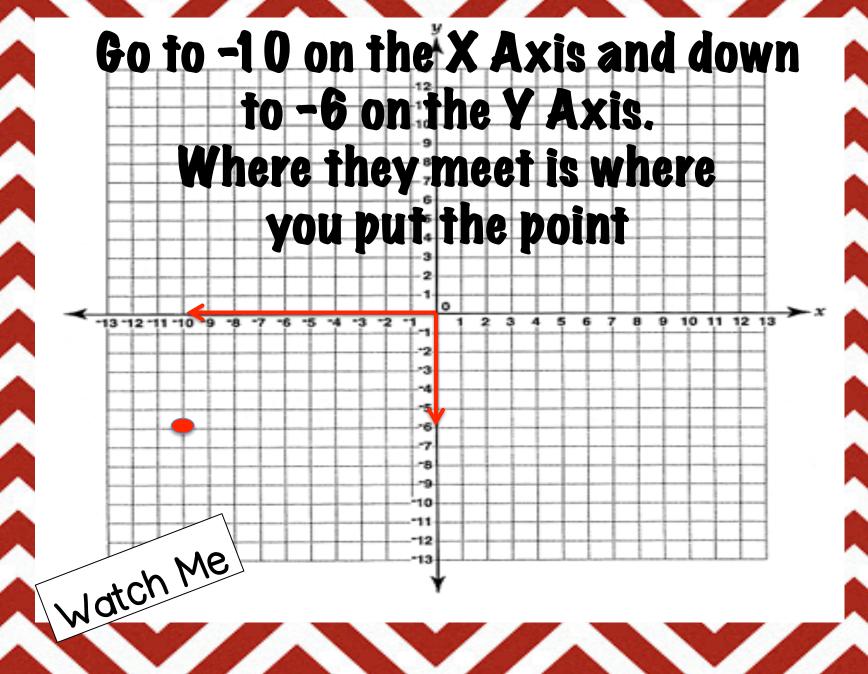










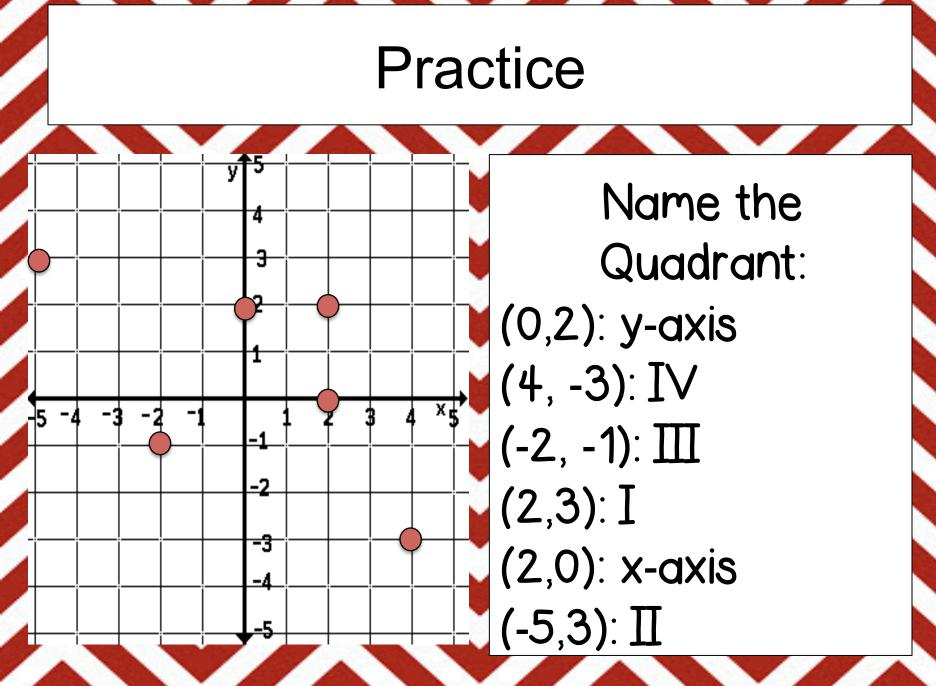


Practice

X,

-3

Graph the points on your coordinate plane with A (0,2). You can graph B (4, -3), C (-2, -1),D (2,3), E(2,0), andF (-5, 3).



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Graphing Ordered Pairs Races

Today to introduce graphing ordered pairs we will be racing to graph ordered pairs on the coordinate plane taped on the floor.

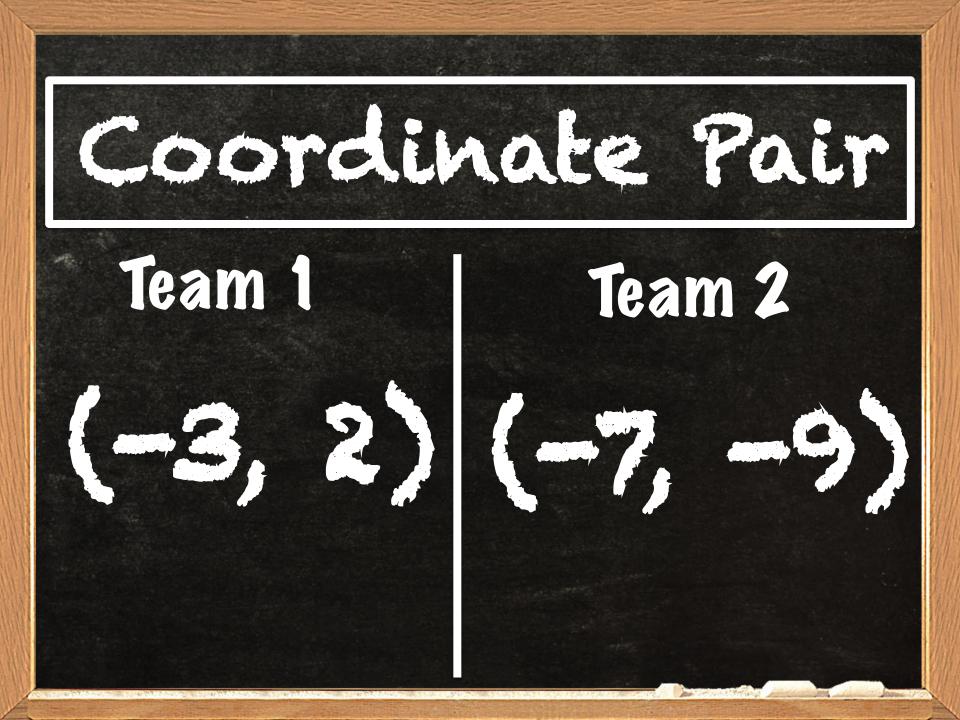
- Each student will be placed on a team.
- You will be given a number
- When you number is called, you will be given a ordered pair.
- The first person to find the point of the order pair gets points for their team.

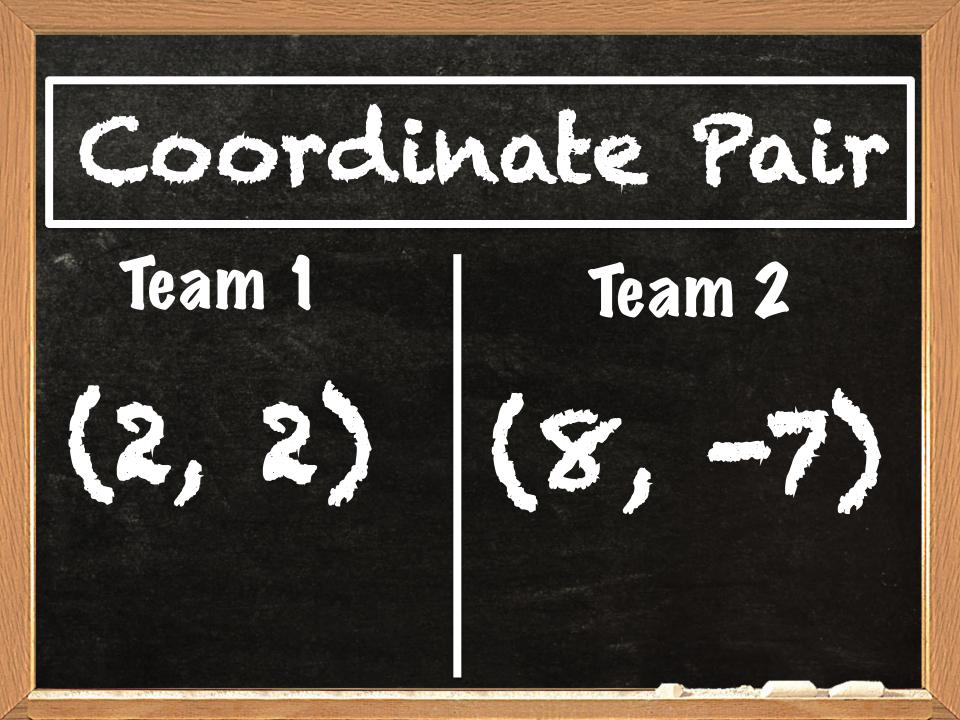
Graphing Ordered Pairs Races

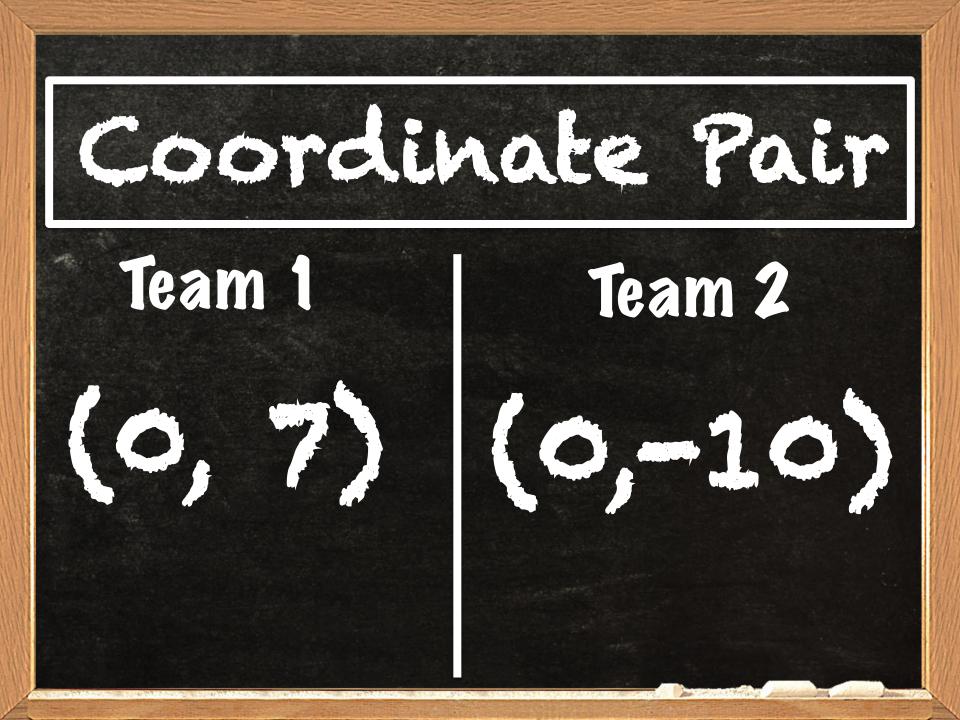
Each person will get a coordinate plane. Label this paper, Graphing Races Put your name on it!

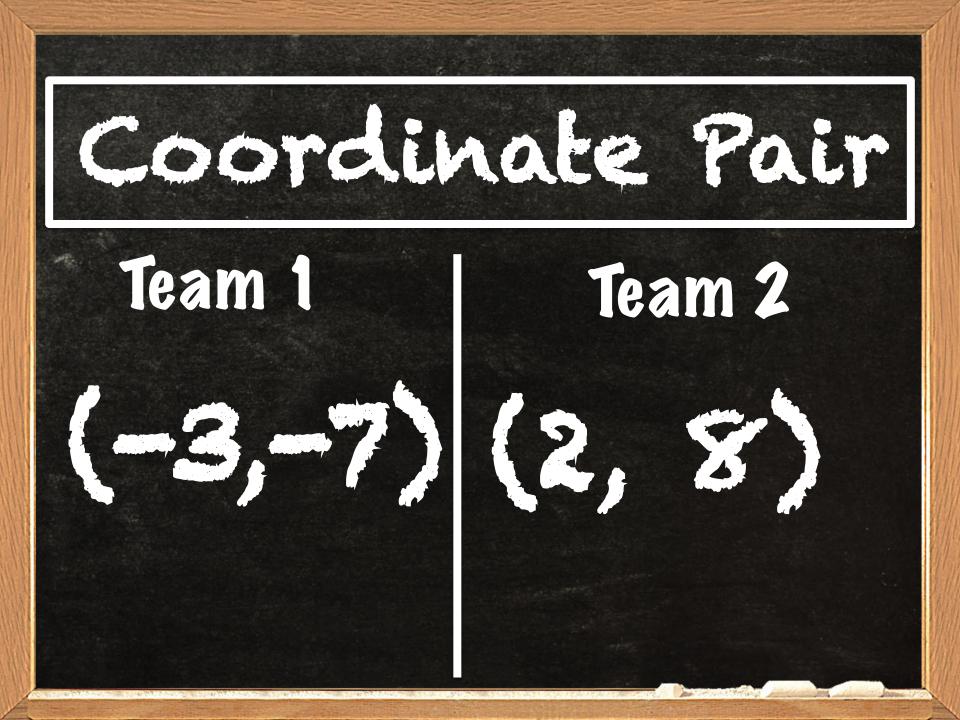
When you are not racing, you will graph on the ordered pair on the screen on your coordinate plane at your desk.

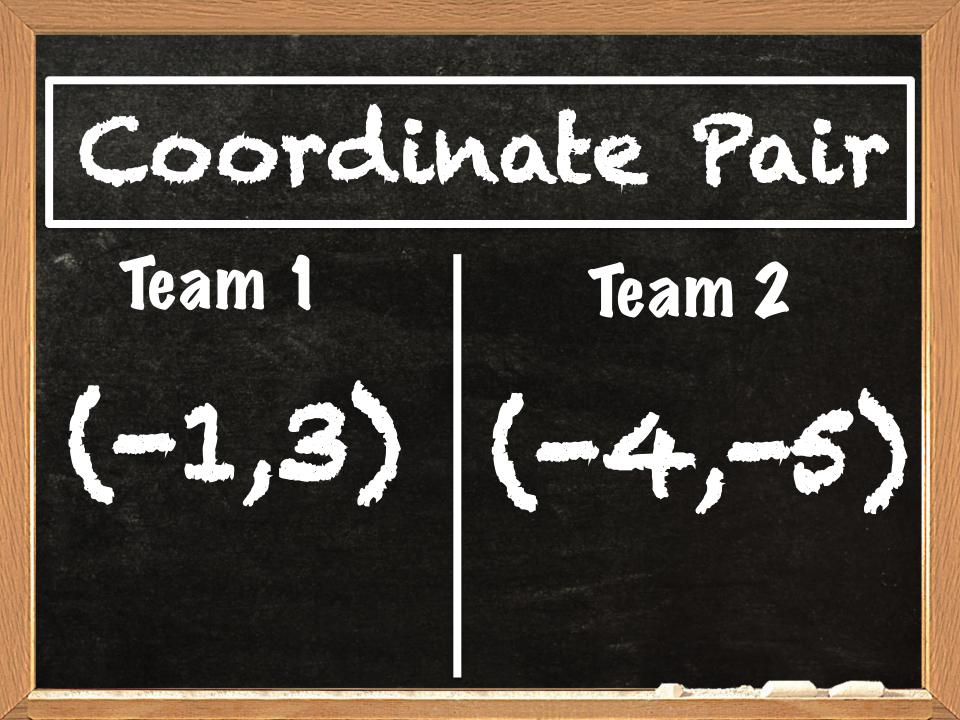
Team members not plotting the points on their own paper will lose points for their team.

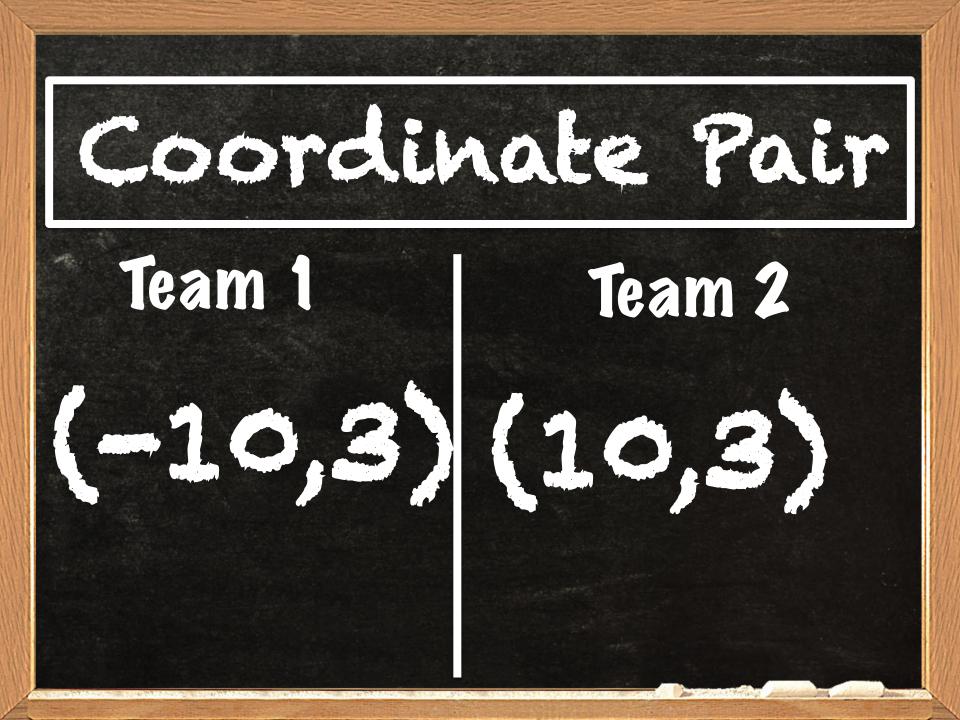


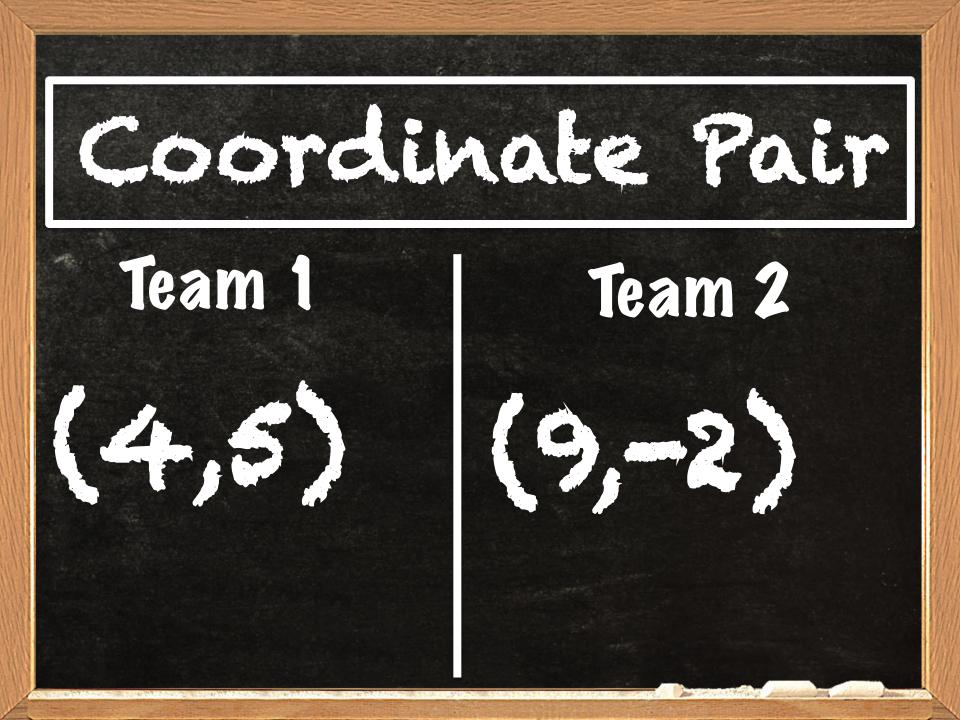


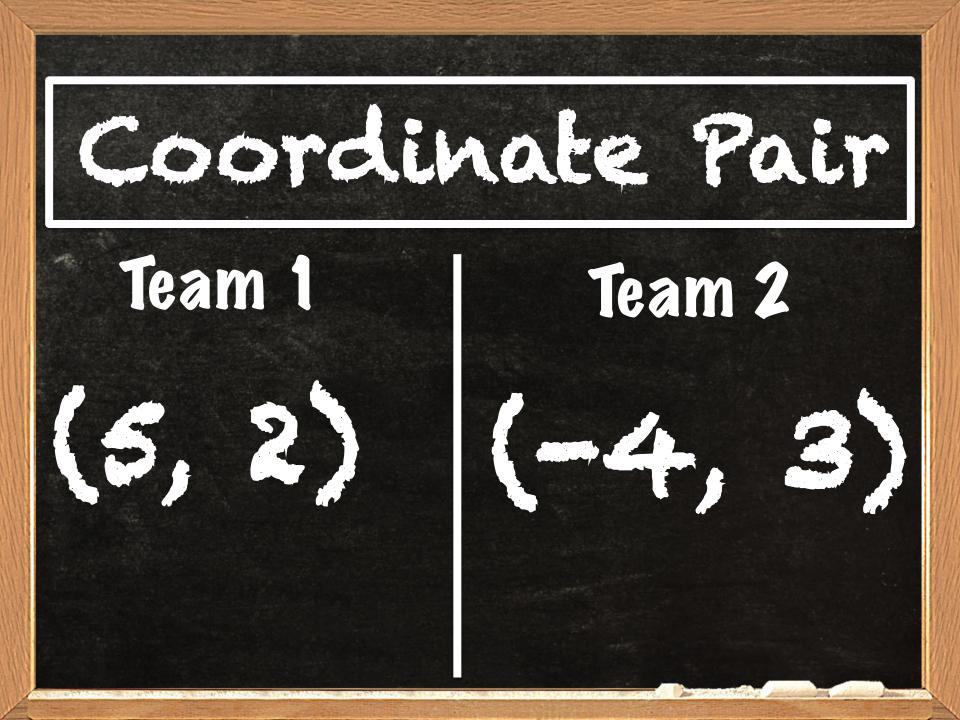


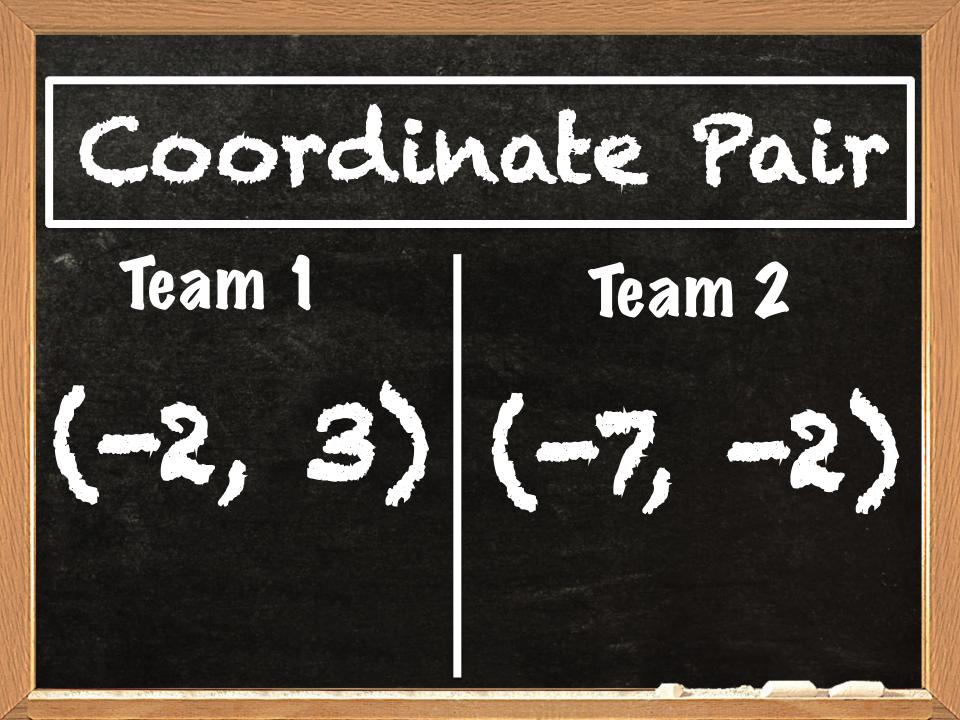


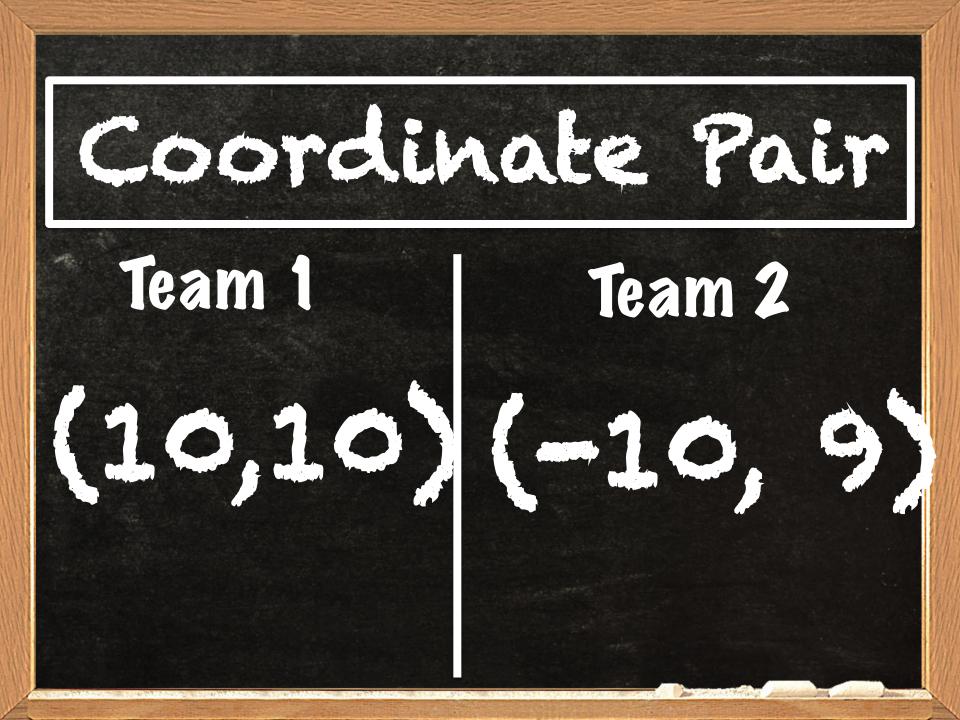


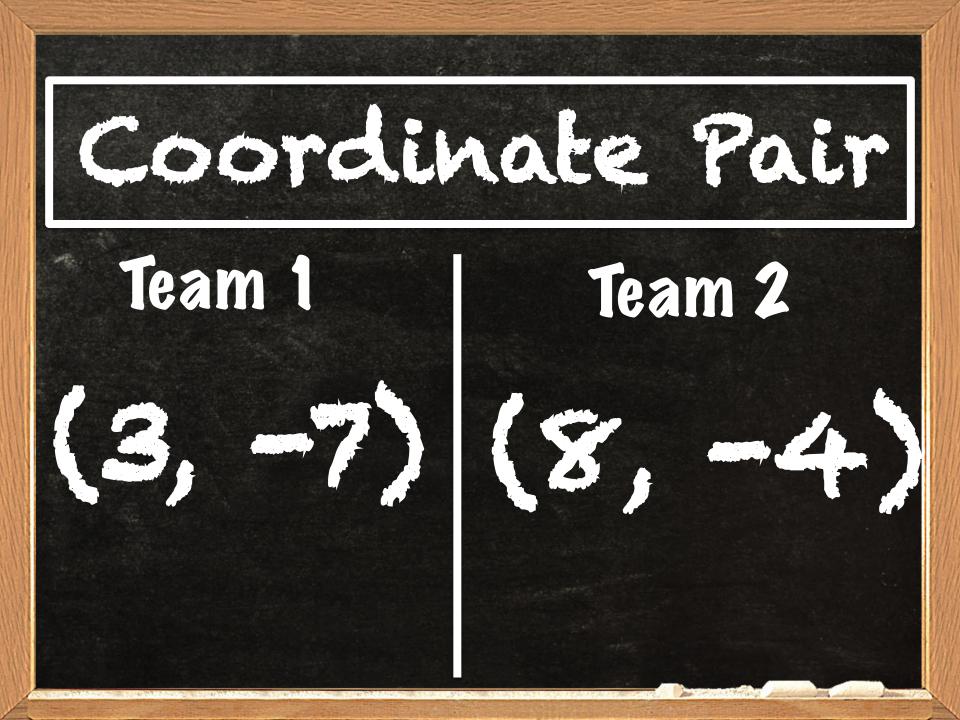


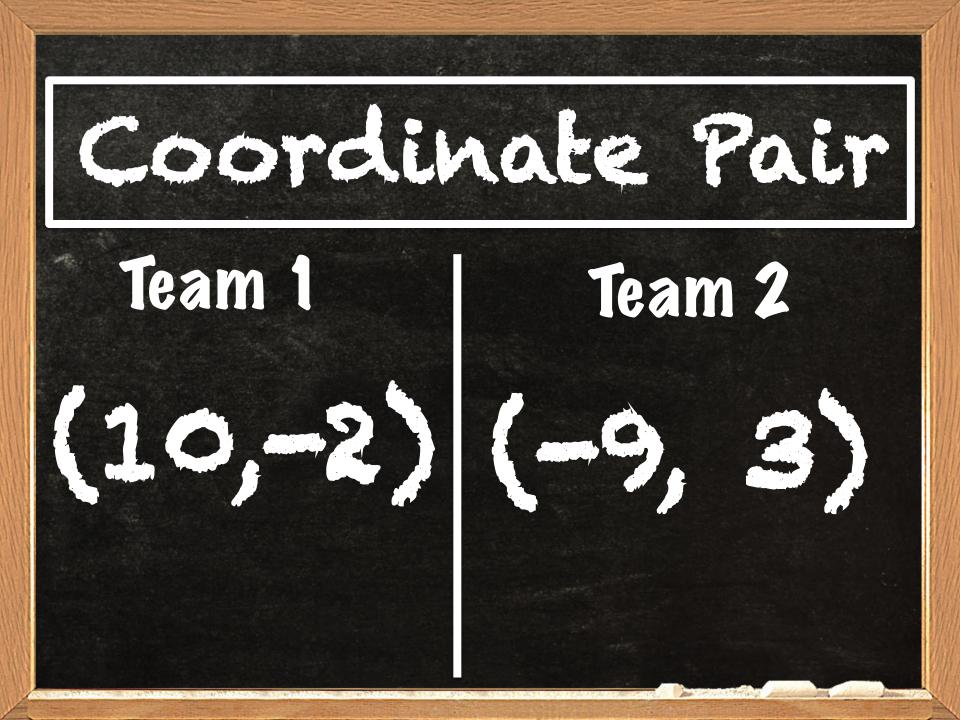


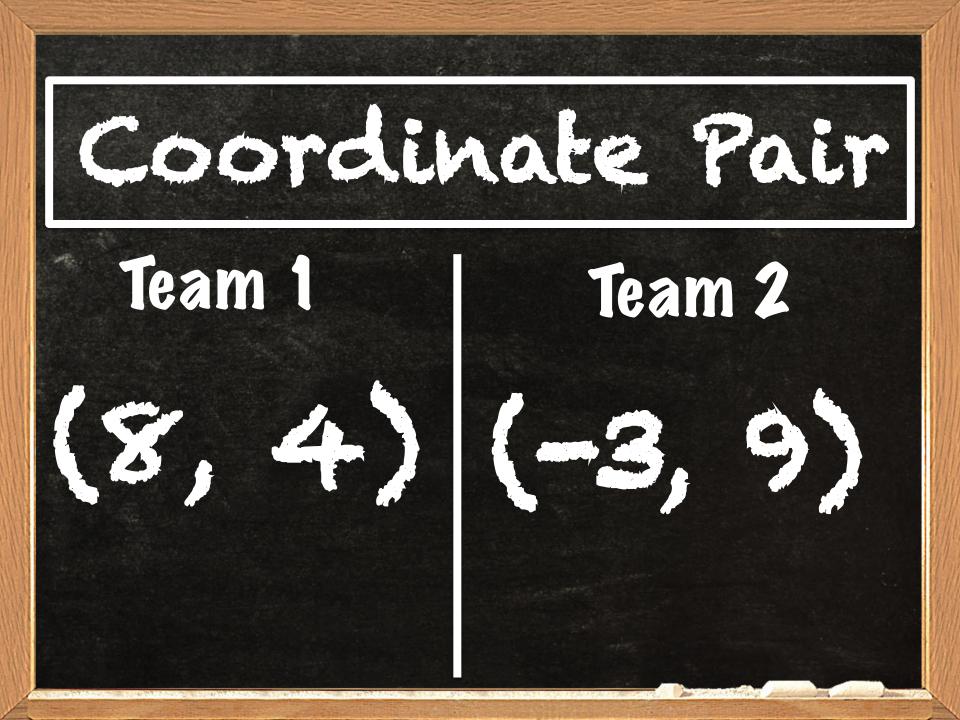


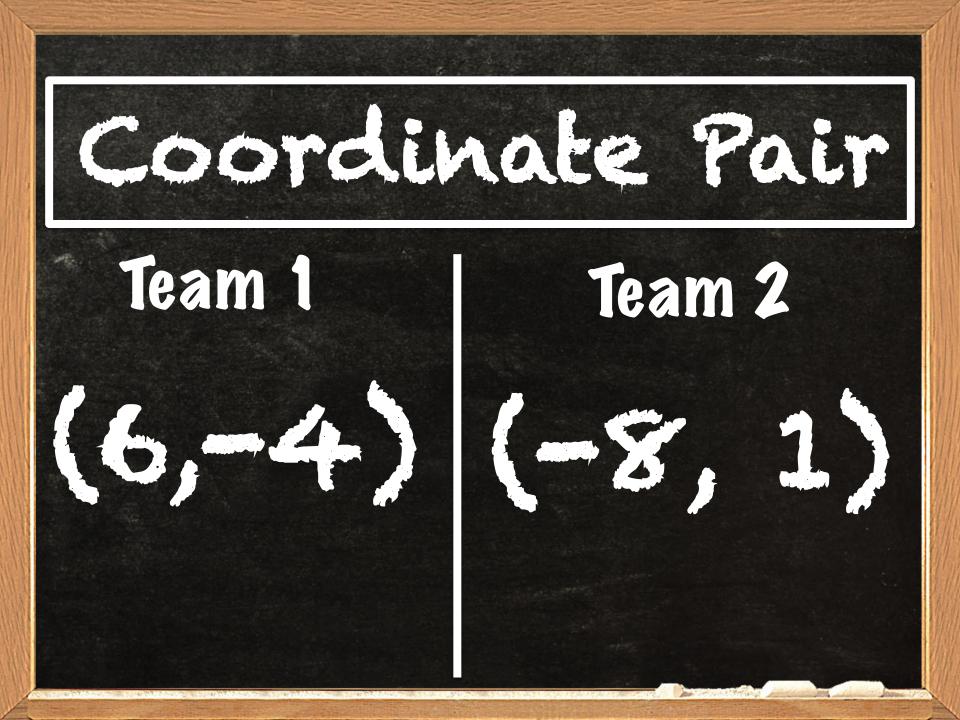












Time for an Exit Slip! I can recognize (find) ordered pairs in all

four quadrants of the coordinate pla