

PLOTTING POINTS ON A COORDINATE GRID CAN BE A LOT OF FUN BUT YOU HAVE TO KNOW HOW TO READ THE POINTS

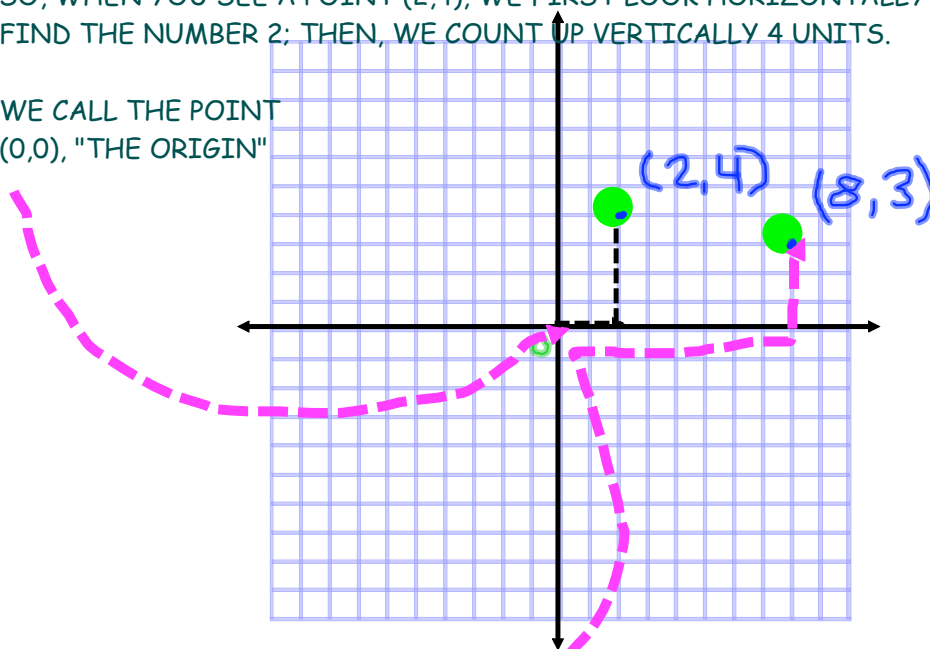
REMEMBER:

HORIZONTAL COMES BEFORE VERTICAL

X COMES BEFORE Y

SO, WHEN YOU SEE A POINT $(2,4)$, WE FIRST LOOK HORIZONTALLY ALONG THE X AXIS TO FIND THE NUMBER 2; THEN, WE COUNT UP VERTICALLY 4 UNITS.

WE CALL THE POINT $(0,0)$, "THE ORIGIN"



NOW, LET'S TRY ANOTHER POINT $(8,3)$. WE GO 8 UNITS HORIZONTALLY TO THE RIGHT OF THE ORIGIN AND THEN 3 UNITS UP VERTICALLY.

PLOT THE 77 POINTS LISTED BELOW ON THE NEXT PAGE AND LET'S SEE WHAT YOU CREATE. REMEMBER, ALWAYS PLOT HORIZONTAL FIRST AND THEN VERTICAL.

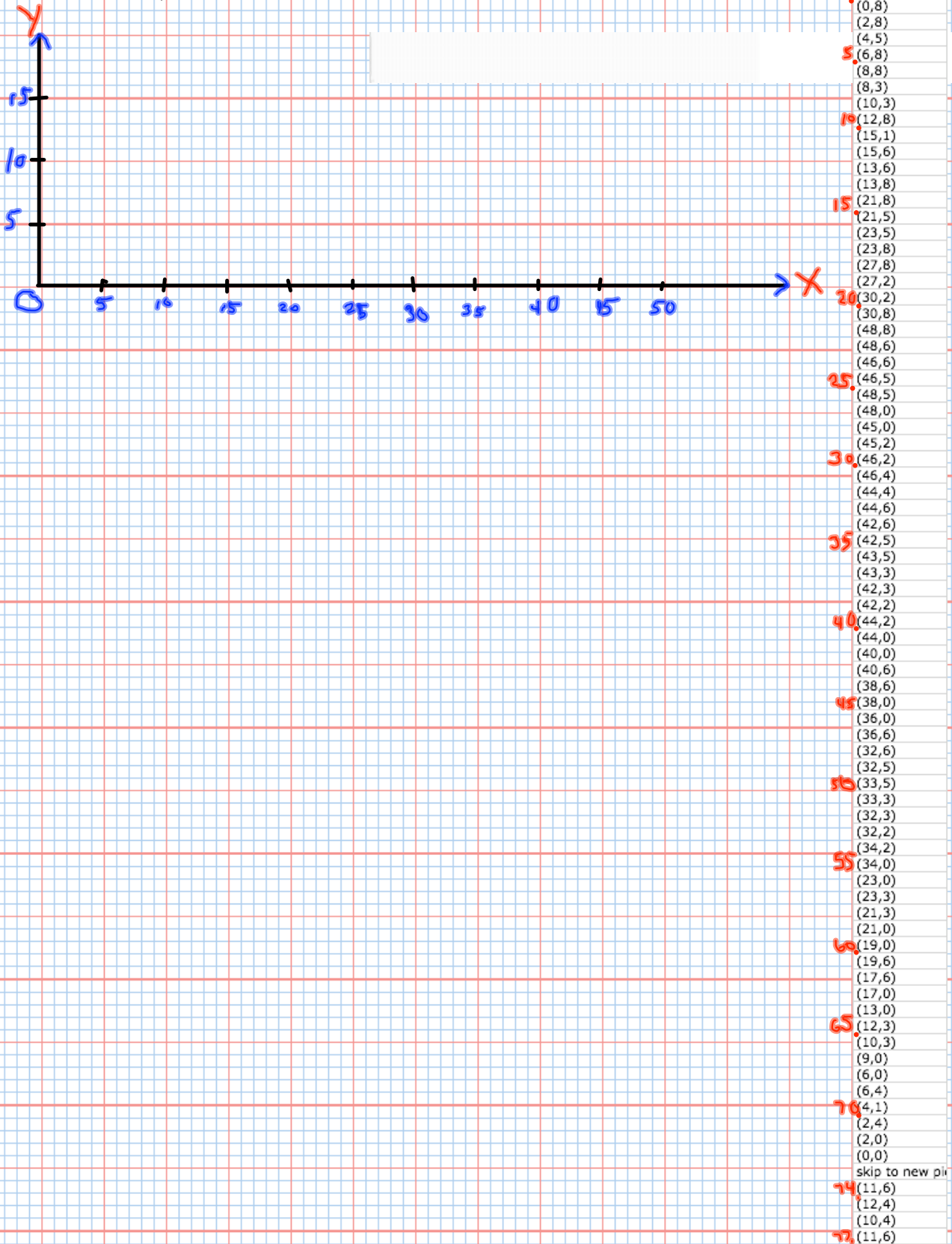
THIS WEEK, I WOULD LIKE YOU TO TRY TO CREATE A WORK OF ART AS FOLLOWS:

- TAKE THE GRAPH PAPER AT THE END OF THIS DOCUMENT AND CREATE A WORK OF ART OR WORD(S) THAT FORM BY PLACING POINTS ON A COORDINATE PLANE.
- THEN, ON A SEPARATE PIECE OF GRAPH PAPER, LIST ALL OF THE COORDINATE POINTS THAT ARE VERTICES OF THE LARGE POLYGON.
- Place the points on the graph paper and begin trying to find the points.
- Draw a straight line between the numbered points from 1 to 2 to 3 to
- if there is a break in the designs, call it Shape 1, Shape 2, etc.

CREATE AS MANY PIECES OF ART AS YOU CAN

PLOT THE 77 POINTS FROM
WHAT YOU CREATE.

REMEMBER, ALWAYS PLOT HORIZONTAL FIRST AND THEN VERTICAL.



PLOT THE 77 POINTS FROM THE PAGE HANDED OUT IN CLASS AND LET'S SEE WHAT YOU CREATE.

REMEMBER, ALWAYS PLOT HORIZONTAL FIRST AND THEN VERTICAL.

