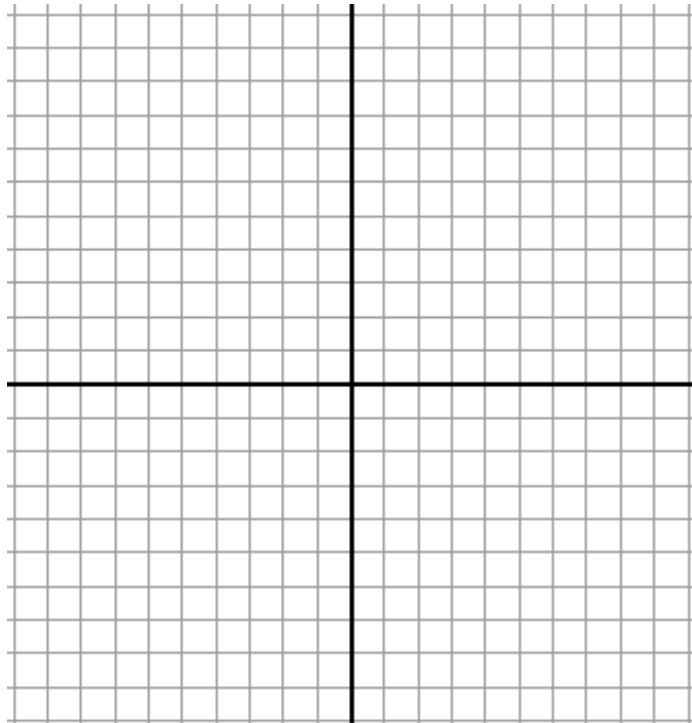


MPM 2D
Review of Essential Skills #2: Graphing on the Cartesian Plane

Instructions:

1. Plot each of the following points on the Cartesian Plane provided. Be sure to label your x and y axis as well.
2. Connect each set of points to create some bad art work (I don't claim to be an artist ;)).
3. Answer the questions under the grid.

Group 1: (-6, 7) (-1, 7) (-1, 3) (-6, 3)	Group 2: (6, 7) (1, 7) (1, 3) (6, 3)	Group 3: (-4, 5) (-2, 5) (-2, 3) (-4, 3)	Group 4: (4, 5) (2, 5) (2, 3) (4, 3)	Group 5: (-1, 8) (-2, 10)
Group 6: (0, 8) (0, 10)	Group 7: (1, 8) (2, 10)	Group 8: (0, 2) (2, 0) (0, -2) (-2, 0)	Group 9: (-3, -1) (2, -4) (-2, -4) (3, -1) (0, -6) (0, -4)	



Further Thinking:

1. Identify ten pairs of parallel lines. You can add letters and list them, use a colour to highlight them, or think of some other way to explain them. How do you know they are parallel?
2. State the equation of the horizontal lines on the graph. (Hint: What does every point on a horizontal line have in common?)
3. State the equation of the vertical lines on the graph. (Hint: What does every point on a vertical line have in common?)
4. State the slope of all remaining lines. Use your grid and remember that $m = \text{rise/run}$!