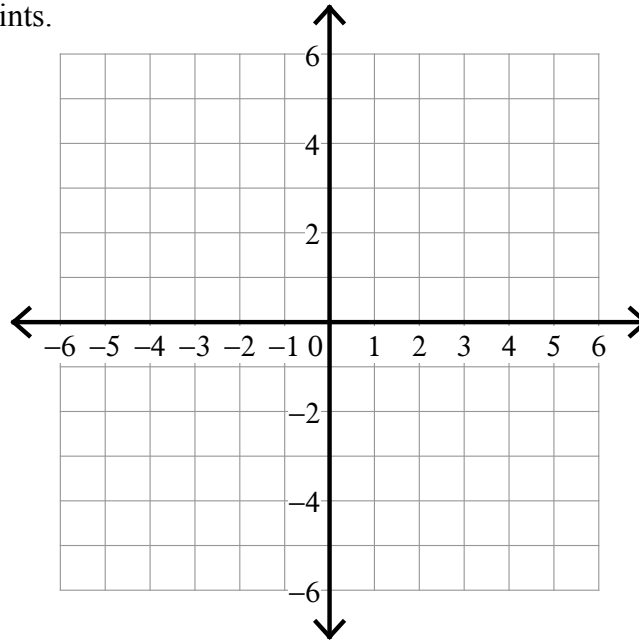


Be sure to use PROPER mathematical notation and show some steps. Use back of page if needed.

1. Given the two points  $(-3, 6)$  and  $(3, -2)$

a. **Using algebra**, Determine the whole **equation** of the line in **slope-intercept** form that passes through the points

b. Accurately graph the equation found in part a. above by using the slope and y intercept, or plotting points.



2. Graph the following two-variable inequality. **Shade the graph in the appropriate area** to represent the solution. Pick a test point to check answer if you have time!

$$4x + 3y < 12$$

