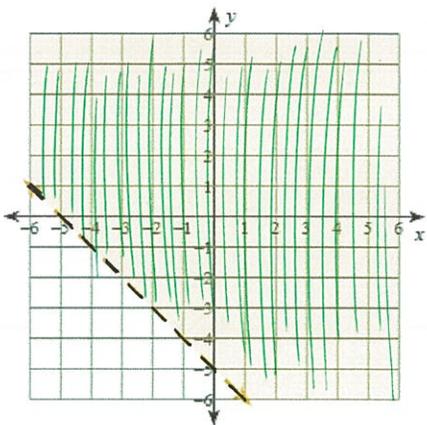


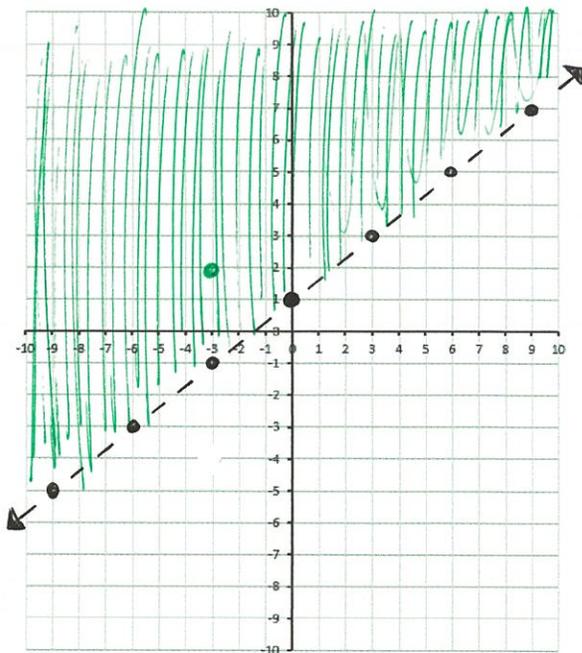
35 - EQ - 9.1 Linear Inequalities in Two Variables

Q1: Write the equation that models the linear inequality. (2 mark)



$$y > -x - 5$$

Q2: Sketch the linear inequality $y > \frac{2}{3}x + 1$ below. (2 mark)



Q3: Is the point $(-3, 4)$ part of the solution to $5x + 2y \leq 4$? (2 mark)

$$\begin{aligned} 5x + 2y &\leq 4 \\ 5(-3) + 2(4) &\leq 4 \\ -15 + 8 &\leq 4 \\ -7 &\leq 4 \end{aligned}$$

True! This point is part of the solution.

MARKING:

Beginning	0.0 – 2.5
Progressing	3.0 – 4.0
Competent	4.5 – 5.5
Exemplary	6.0