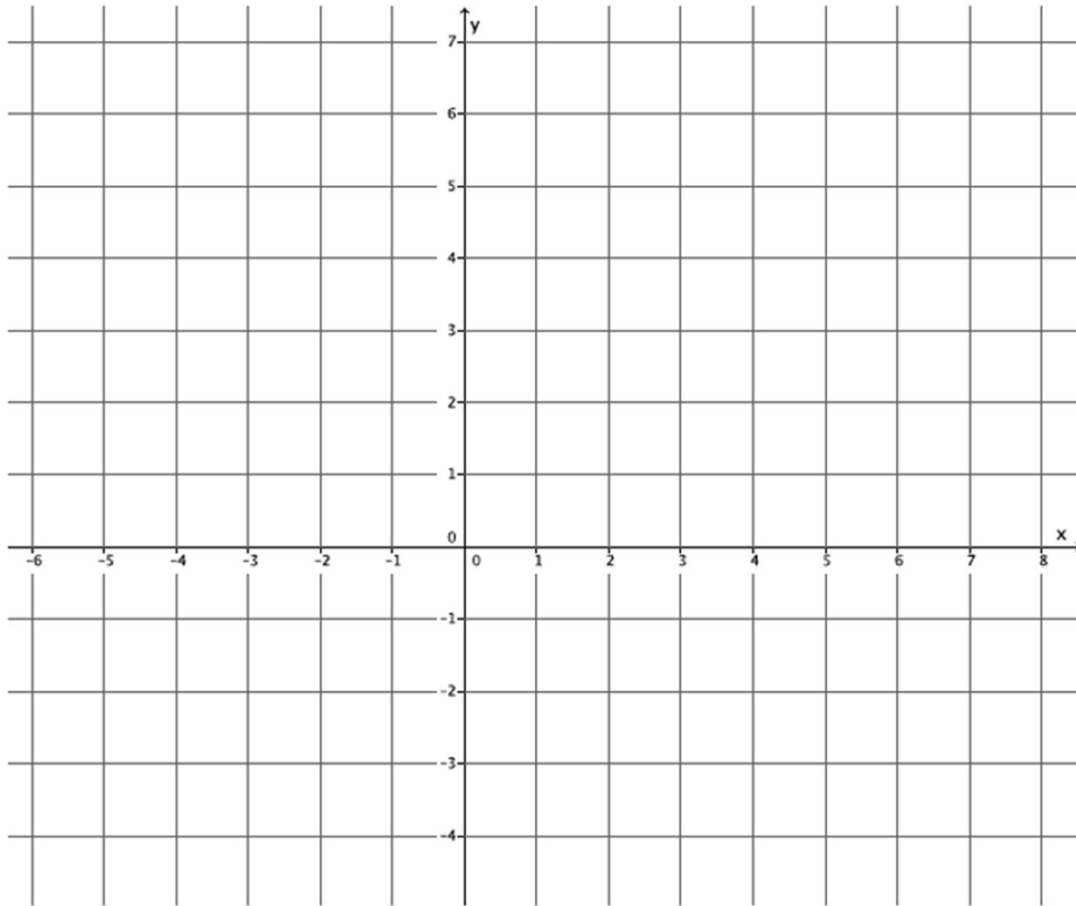


System of Equations (No Solution)

1. Sketch the graphs of the system
$$\begin{cases} y = -\frac{5}{4}x + 7 \\ y = -\frac{5}{4}x + 2 \end{cases}$$

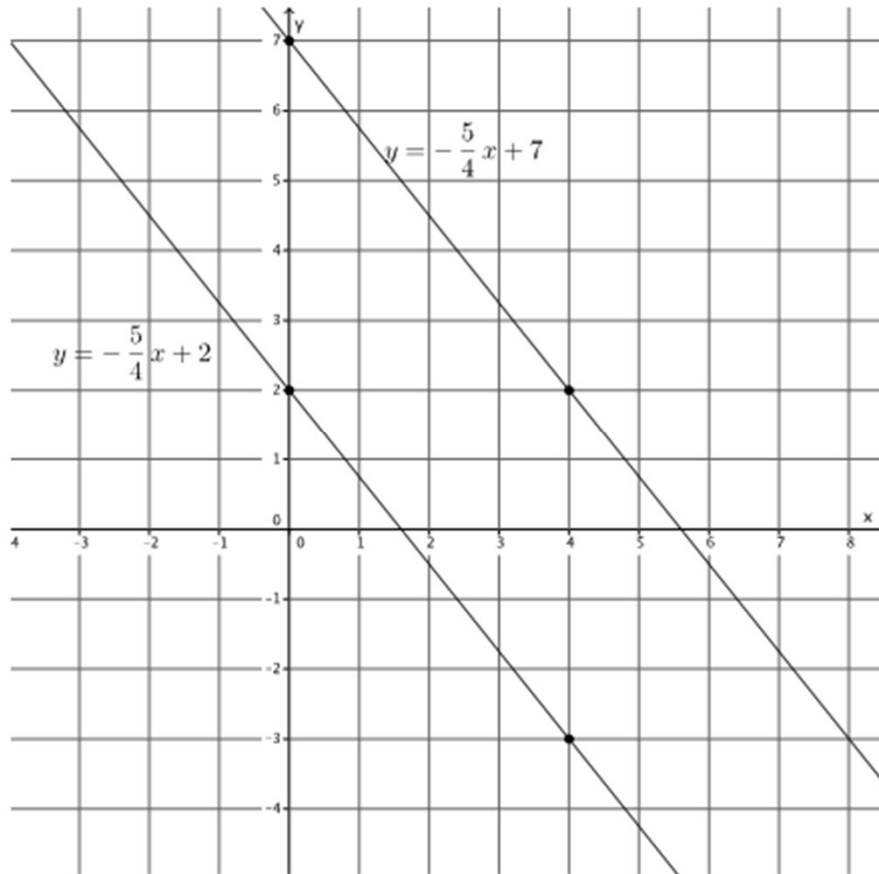


a) Identify the slope of each equation. What do you notice?

b) Identify the y -intercept point of each equation. Are the y -intercept points the same or different?

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1. Sketch the graphs of the system $\begin{cases} y = -\frac{5}{4}x + 7 \\ y = -\frac{5}{4}x + 2 \end{cases}$



- a) Identify the slope of each equation. What do you notice?

The slope of both equations is $-\frac{5}{4}$. The slopes are equal.

- b) Identify the y-intercept point of each equation. Are the y-intercept points the same or different?

The y-intercept points are (0, 7) and (0, 2). The y-intercept points are different.