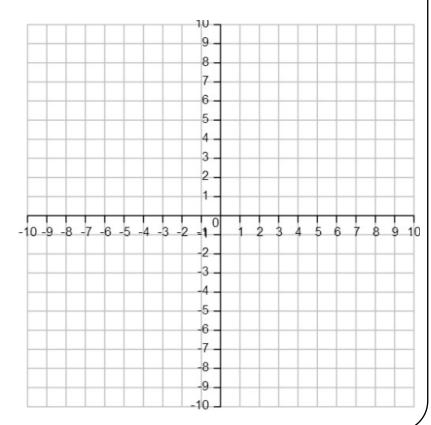
TICKET-IN-THE-DOOR

In order to be prepared for class you must watch the module and complete the following activity. This is due first thing when you get to class.

- Two lines are parallel if and only if their slopes are ______.
- Two lines are perpendicular if and only if their slopes are ______.

Check your understanding:

- 1. Find the **equation** of the <u>vertical line</u> that passes through the point (4, -9).
- 2. Find the **equation** of the horizontal line that passes through the point (3, 5).
- 3. Write the **equation of the line** perpendicular to $y = 4 \frac{3}{4}x$ and goes through the point (-3, -5) in:
 - a. Point-Slope Form
 - b. Slope-Intercept Form



c. **Graph** both lines on the same axes.