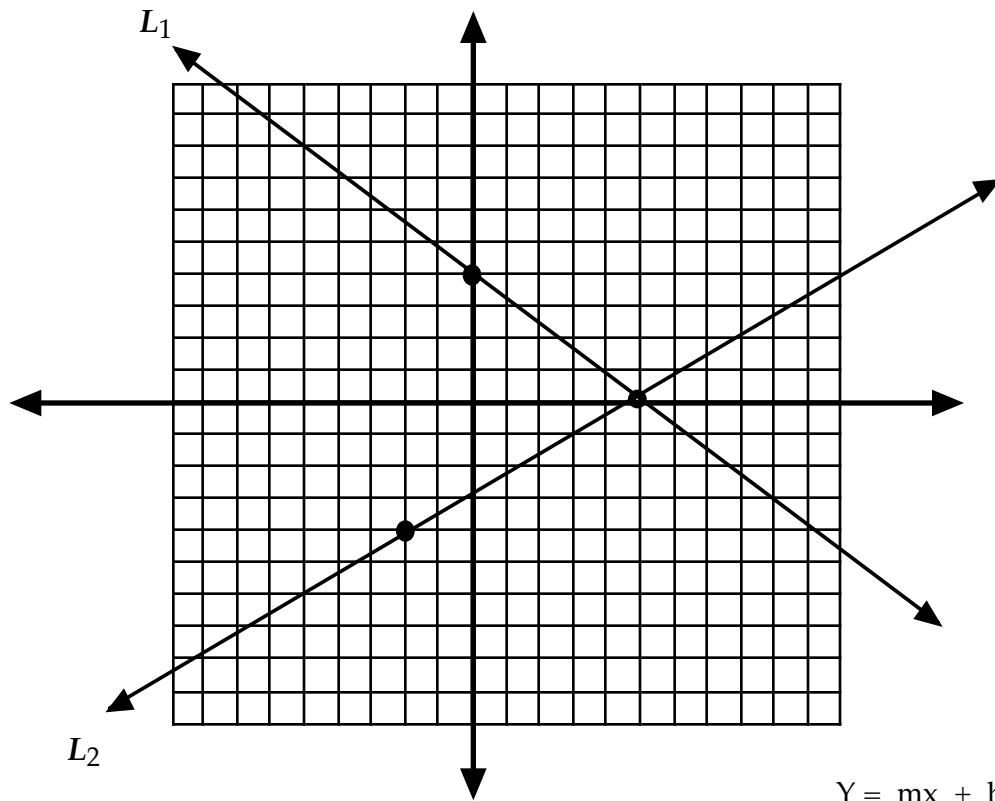


Warm Up 55
Graphing Inequalities

Name _____
 $y = mx + b$

Determining linear equation from graph when no 'y' intercept is apparent



Notes:

L1 has a 'y' intercept of (0, 3) and an easily determined slope

L2 does not show a specific 'y' intercept but does show two points on that line and does have an easily determined slope

L1 determining the slope and 'y' intercept will not be difficult
estimate (negative slope, positive 'y' intercept at (0, 3), solid line)

slope $\frac{\Delta y}{\Delta x}$ $y = mx + b$ **L1** $y =$

L2 more difficult to determine the line in 'y' form
estimate (positive slope, negative 'y' intercept between -2 & -3, solid line)

slope $\frac{\Delta y}{\Delta x}$ substitute point (4, 0) or (-1, -3) in $y = mx + b$ to find 'y'
to determine b or the 'y' intercept

L2 $y =$