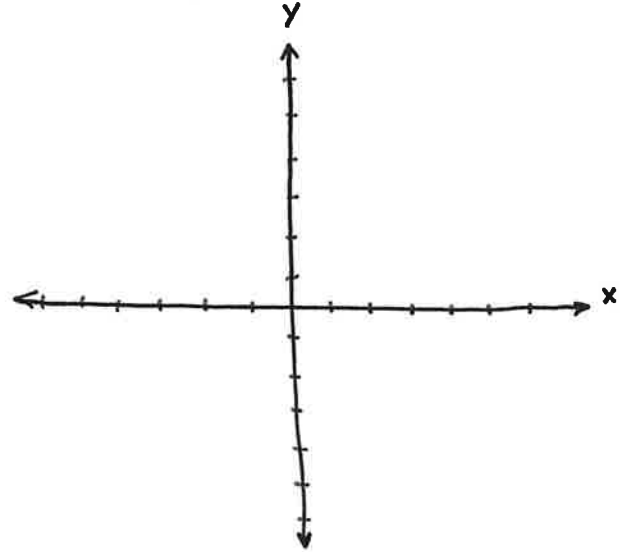


MATH 0482

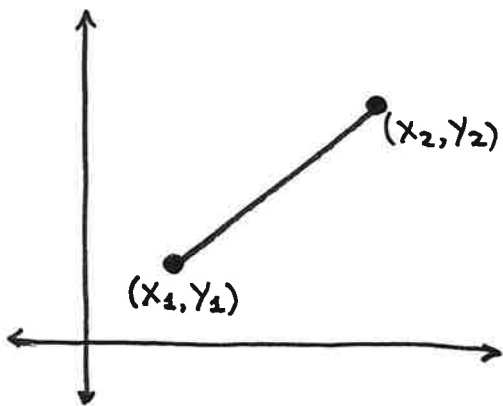
Chapter 2.2 Linear Functions and Their Graphs

$$8x + 4y = 12$$

x	y
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SLOPE:

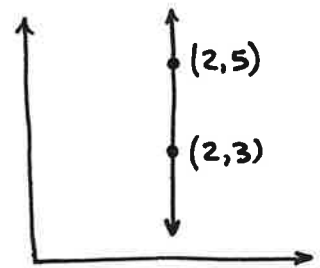
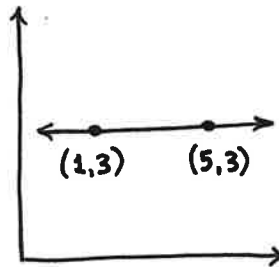
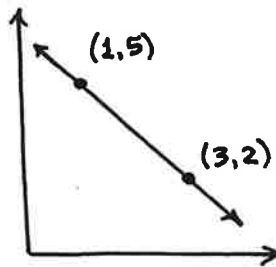
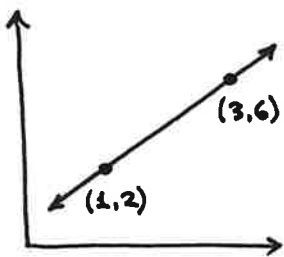


FIND THE SLOPE OF THE LINE PASSING THROUGH THE GIVEN POINTS.

$(-3, -5)$ AND $(2, 1)$

FIND THE y -VALUE FOR WHICH THE SLOPE OF THE LINE PASSING THROUGH $(6, -3)$ AND $(-9, y)$ IS $-\frac{2}{3}$.

TYPES OF SLOPE:

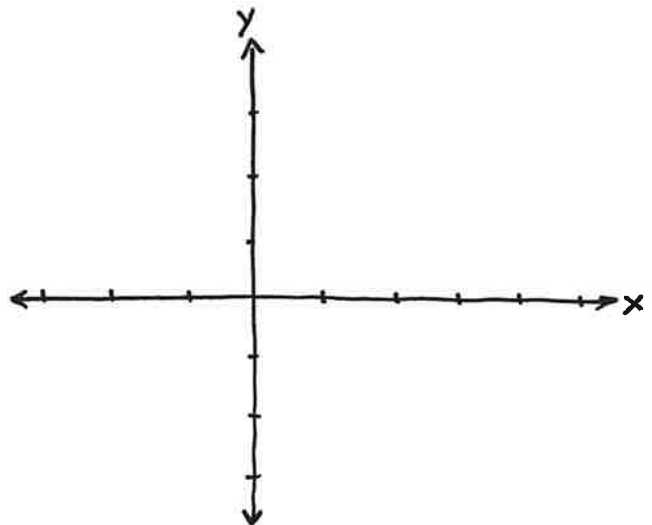


LINEAR FUNCTION:

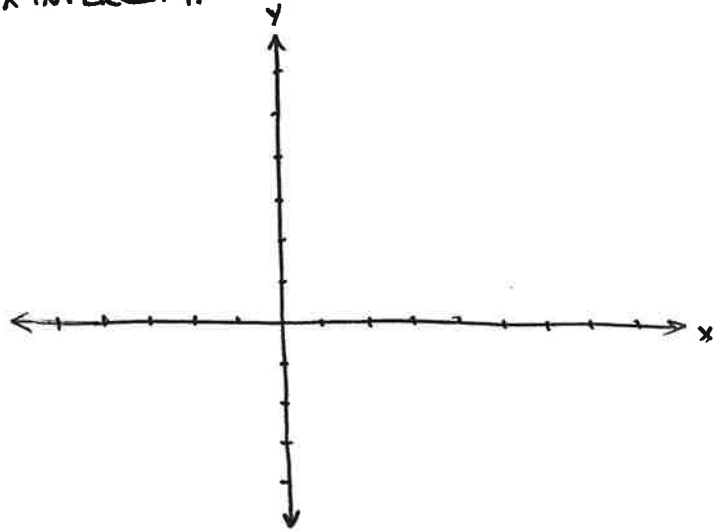
$$3x - 4y = 8$$

STANDARD FORM
 $ax + by = c$

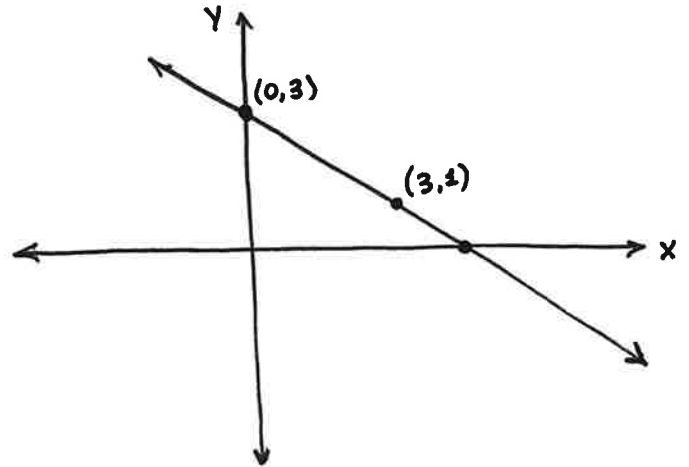
SLOPE-INTERCEPT FORM
 $y = mx + b$



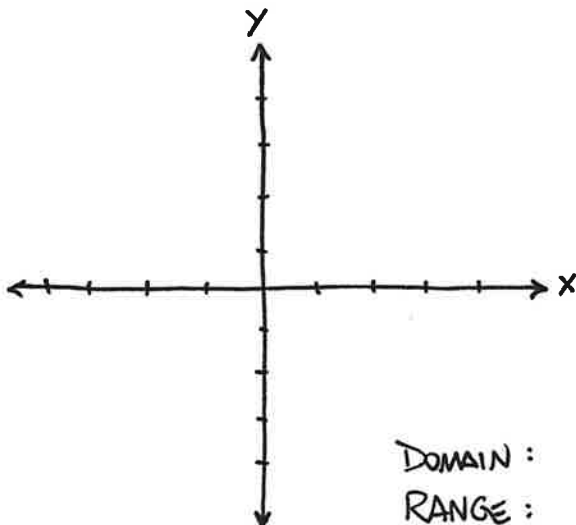
GRAPH $f(x) = -\frac{5}{3}x + 6$ AND LABEL THE X-INTERCEPT.



FIND $f(x)$ FOR THE GIVEN LINE AND LABEL THE X-INTERCEPT.

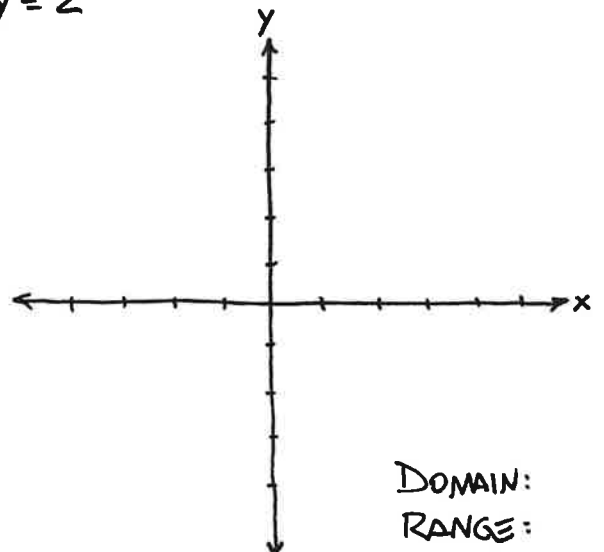


$x = -3$



DOMAIN :
RANGE :

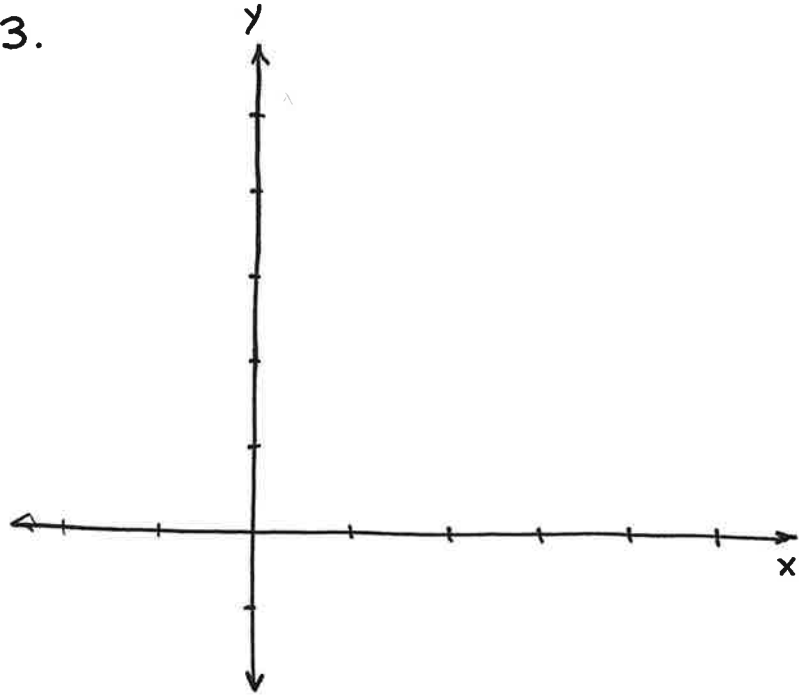
$y = 2$



DOMAIN :
RANGE :

GRAPH $f(x) = \frac{1}{2}x + 1$ AND $g(x) = 3$.

WHERE IS $f(x) = g(x)$?



WHERE IS $f(x) \geq g(x)$?