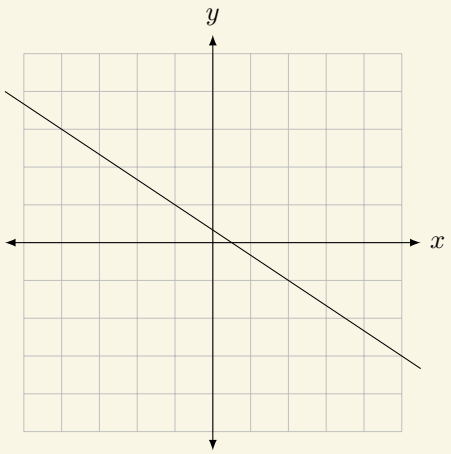
13.1 Slope-Intercept Form - Worksheet 1

1 Calculate the slope of the line that contains the points below using three different pairs of points. Do not always pick consecutive points for this exercise.

x	y	(x, y)
-2	-5	$(-2, -5)$
-1	-3	$(-1, -3)$
0	-1	$(0, -1)$
1	1	$(1, 1)$
2	3	$(2, 3)$

2 Determine the slope of the given line.

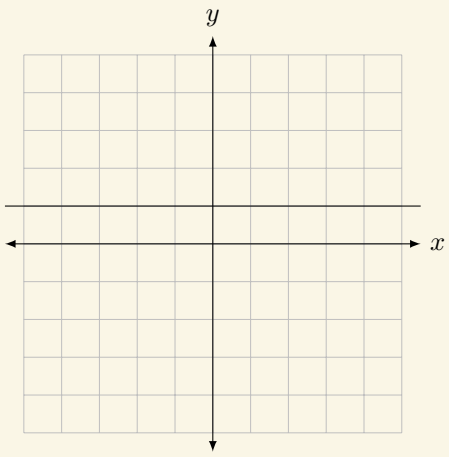
Do not estimate coordinates. Find points that are on the grid.



3 Write the equation $-3x + 4y = 12$ in slope-intercept form.

13.2 Slope-Intercept Form - Worksheet 2

1 Determine the slope of the given line.



2 Calculate the slope of the line that passes through the points $(-2, 3)$ and $(4, 0)$.

It may be helpful to make a sketch of the two points.

3 Write the equation $5x - 3y = 10$ in slope-intercept form.

13.3 Slope-Intercept Form - Worksheet 3

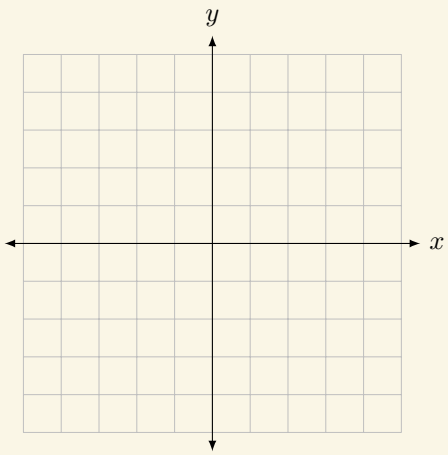
1 Calculate the slope of the line that passes through the points $(2, -1)$ and $(5, 5)$.

2 Calculate the slope of the line that passes through the points $(-2, 0)$ and $(-2, 3)$.

Be careful! Plot the points if you're not sure.

3 Write the equation $-4x - 2y = 8$ in slope-intercept form.

4 Graph the line $y = 2x - 3$.



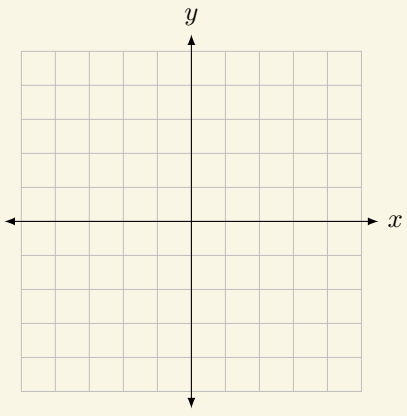
13.4 Slope-Intercept Form - Worksheet 4

1 Calculate the slope of the line that passes through the points $(-1, -1)$ and $(2, -1)$.

2 Write the equation $-3x - 4y = 0$ in slope-intercept form.

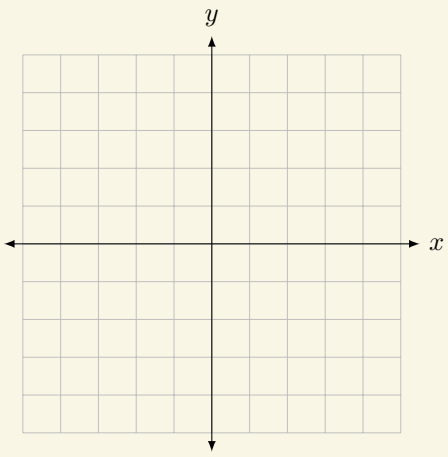
3 Write the equation $-5x + 3y = -7$ in slope-intercept form.

4 Graph the line $y = -\frac{4}{3}x + 2$.

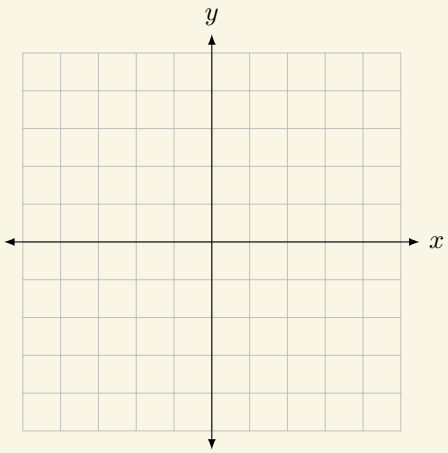


13.5 Slope-Intercept Form - Worksheet 5

1 Graph the line $x - 3y = 6$.



2 Graph the line $-2x + 3y = -4$.



When graphing with fractions, do the best you can in estimating the locations of the points. If possible, use integer coordinate points that are on the line to help make your graphs more accurate.