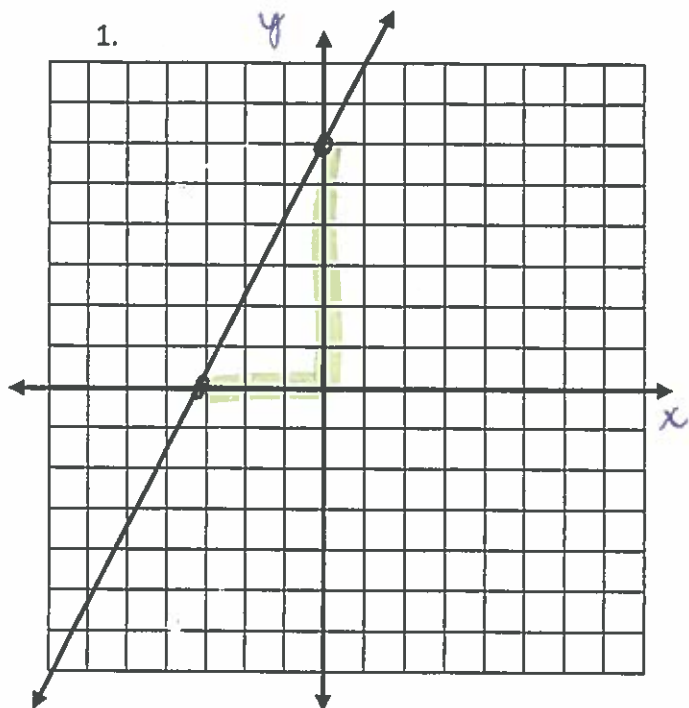


Slope-Intercept Form

Answers

Determine the slope. State the coordinates of the x-intercept. State the coordinates of the y-intercept. Determine whether the slope is negative/positive/zero/undefined. Write the equation of the line in slope-intercept form.

1.



Slope: $\frac{6}{3} = 2$

x-intercept: $(-3, 0)$

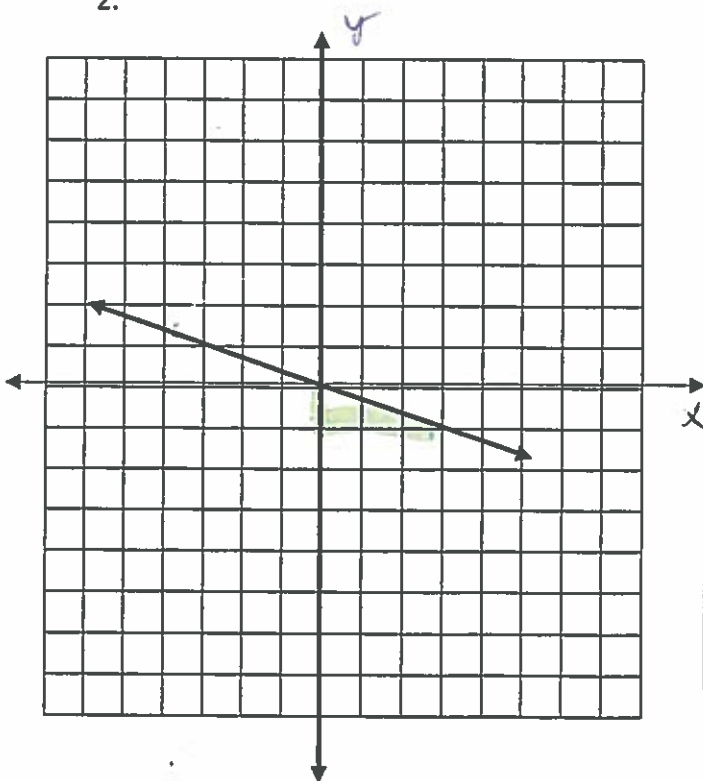
y-intercept: $(0, 6)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = 2x + 6$$

2.



Slope: $-\frac{1}{3}$

x-intercept: $(0, 0)$

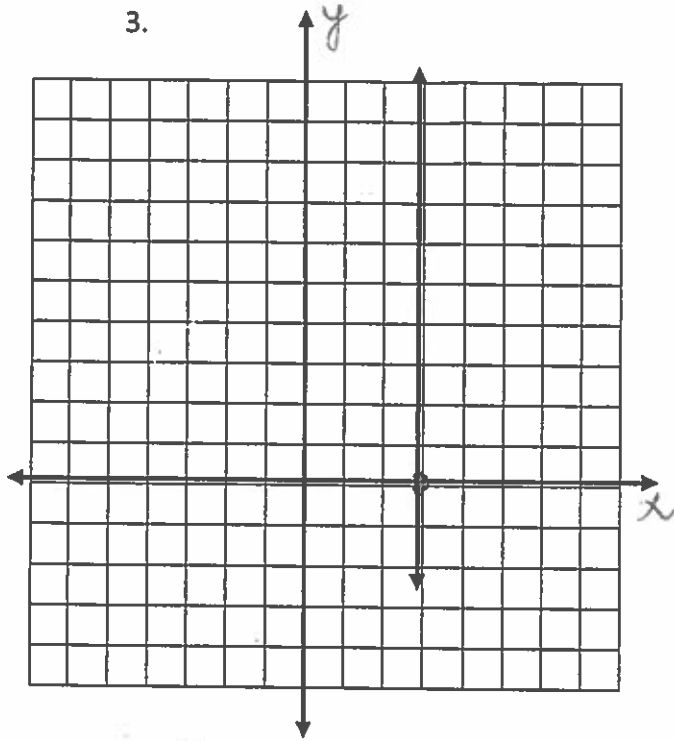
y-intercept: $(0, 0)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = -\frac{1}{3}x$$

3.



Slope: undefined

x-intercept: (3, 0)

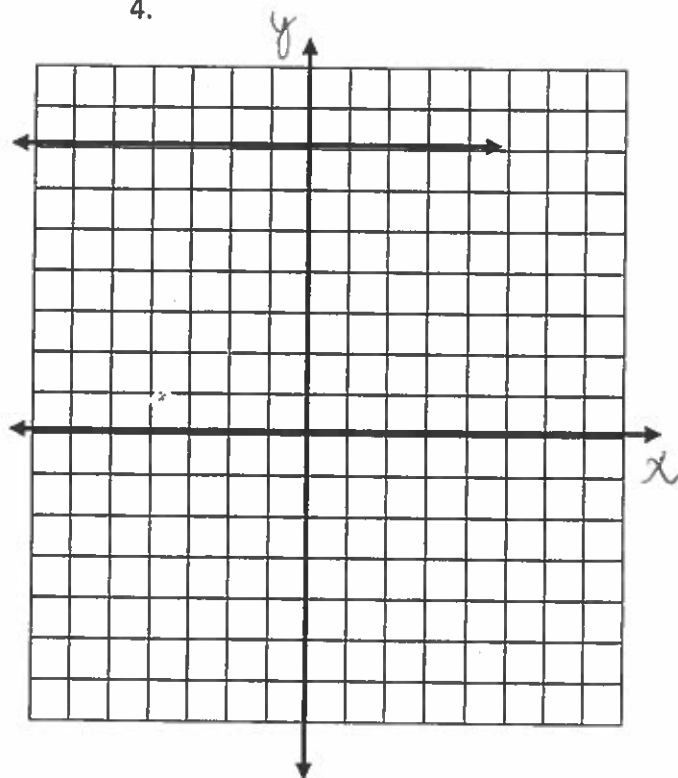
y-intercept: N/A

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$x = 3$$

4.



Slope: 0

x-intercept: N/A

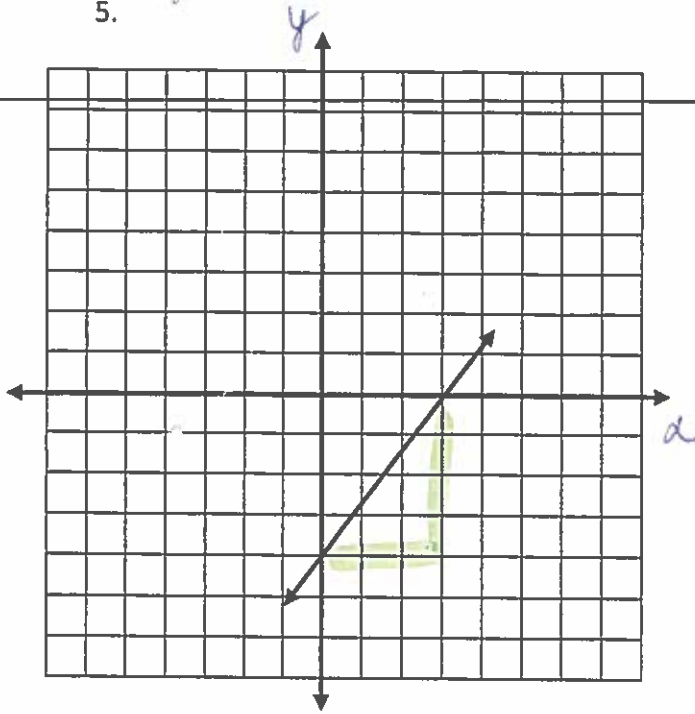
y-intercept: (0, 7)

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = 7$$

5.



Slope: $\frac{4}{3}$

x-intercept: $(3, 0)$

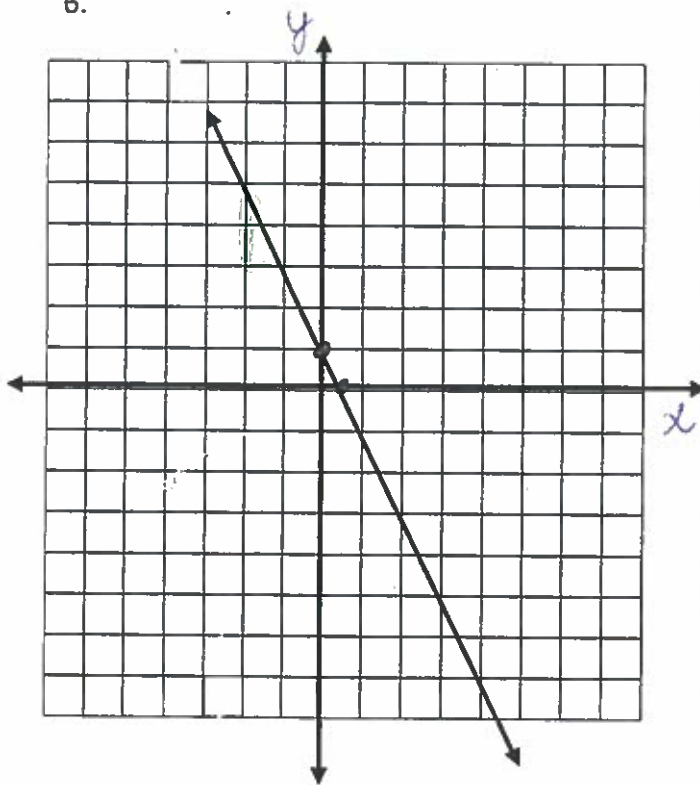
y-intercept: $(0, -4)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = \frac{4}{3}x - 4$$

6.



Slope: $-\frac{2}{1} = -2$ } *approximate*

x-intercept: $\approx (0.5, 0)$

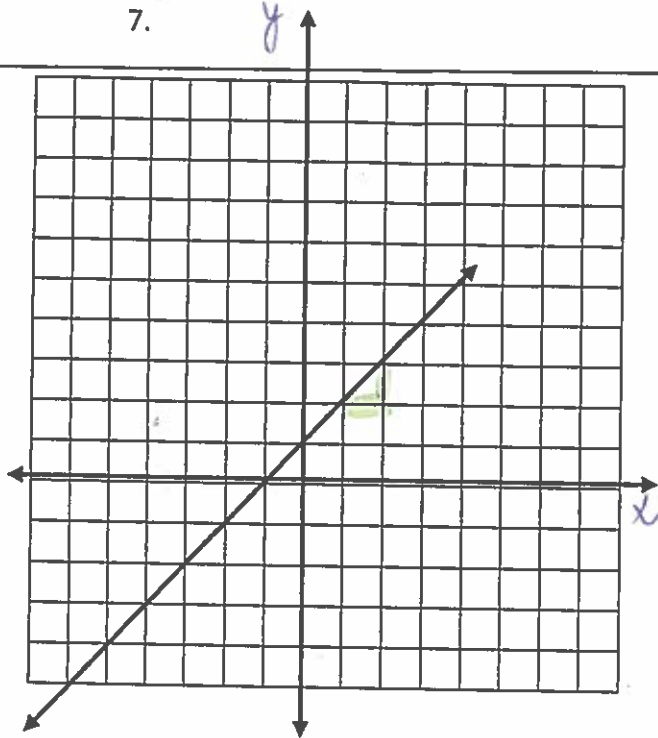
y-intercept: $(0, 1)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = -2x + 1$$

7.



Slope: $\frac{1}{1} = 1$

x-intercept: $(-1, 0)$

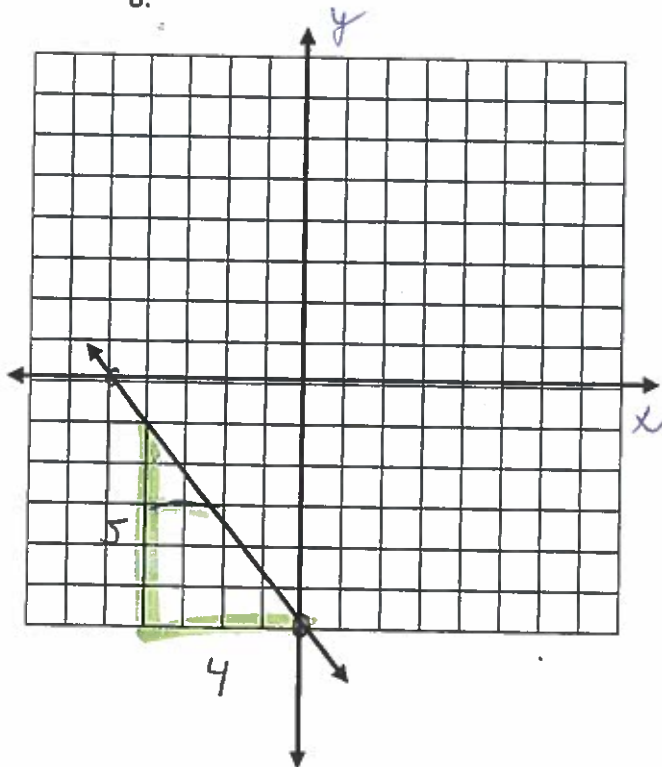
y-intercept: $(0, 1)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = x + 1$$

8.



Slope: $-\frac{5}{4} = -\frac{5}{4}$

x-intercept: $(-5, 0)$

y-intercept: $(0, -6)$

Slope is: negative / positive / zero / undefined

Equation of the line in slope-intercept form:

$$y = -\frac{5}{4}x - 6$$