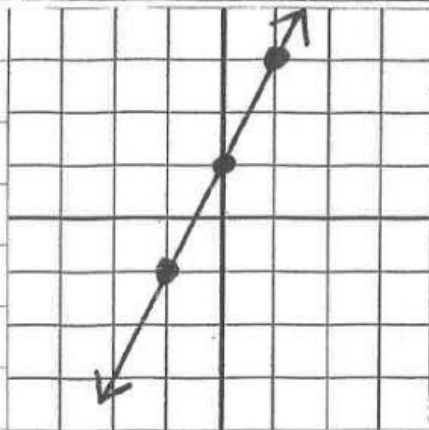


Linear Equations Quiz

Read the directions carefully.

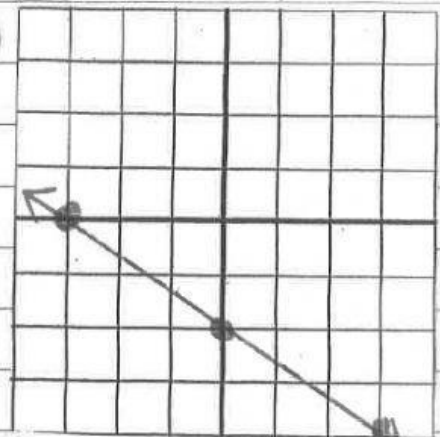
Find the SLOPE:

①



$m =$

②



$m =$

Find the slope of the line passing through the two points:

③ $(1, 2)(2, 4)$

$m =$

④ $(-1, -2)(-3, -5)$

$m =$

⑤ $(-3, 1)(-1, 2)$

$m =$

⑥ $(3, 0)(4, 3)$

$m =$

Find the equation of the line passing through the two points.

Hint: Find m , substitute a point, find b .

Your answer should be in this form $\rightarrow y = mx + b$

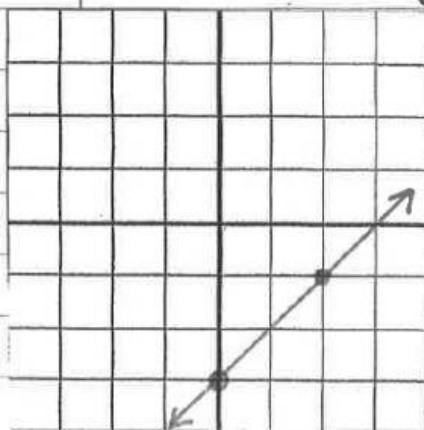
⑦ $(-1, -1) (1, 3)$

⑦

⑧ $(0, 2) (1, -1)$

Identify the slope and y-intercept of the lines:

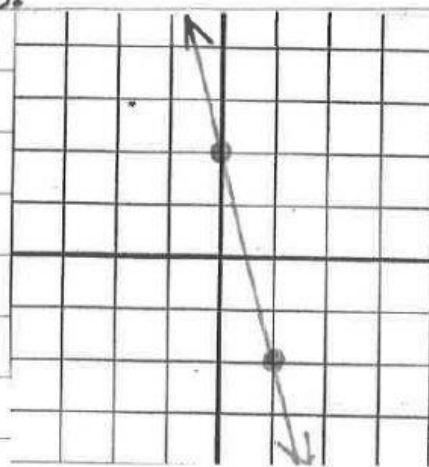
⑨



$m =$

$b =$

⑩



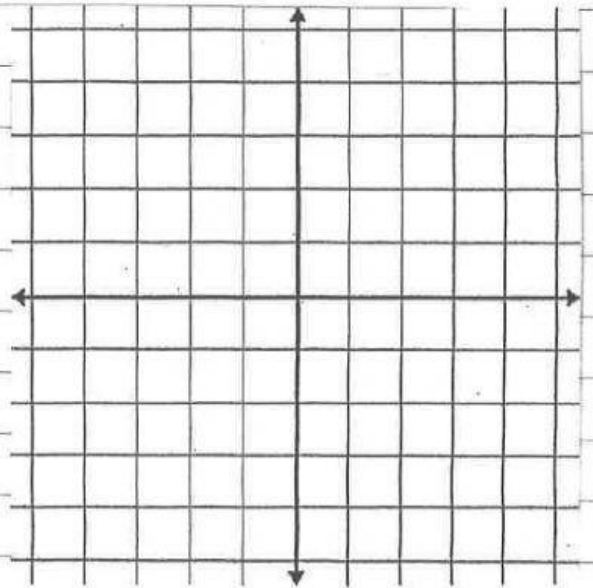
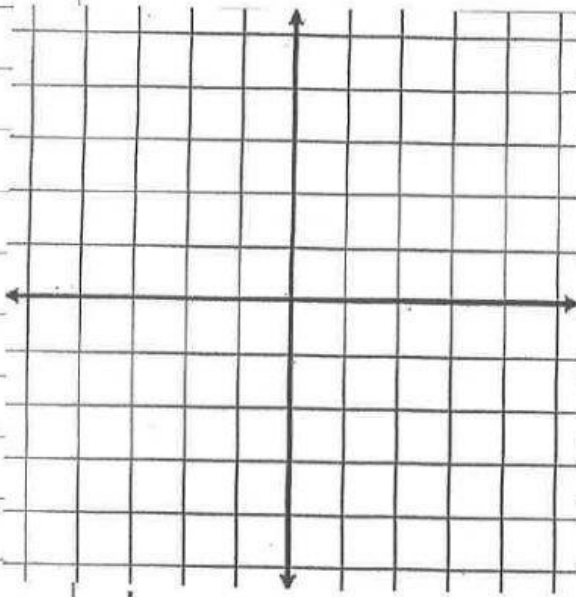
$m =$

$b =$

Graph the following equations. Remember to put arrows and use a straight edge:

(11) $y = \frac{5}{3}x - 2$

(12) $y = -x + 3$



Extra Credit:

(EC1)

Find the equation of the line passing through the two points:

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

(EC2)

Fully simplify the following equation

$y = \frac{-6}{2}x + 0$

