Homework Review (5.6):

x	y
1	10
2	7
2.5	5
3	-1
4.5	-4
5	-8

$m = \frac{y_2 - y_1}{x_2 - x_1}$

$m = \frac{-1+7}{3-2} = \frac{-8}{1} = -8$

$y = mx + b$

$y = -8x + b$

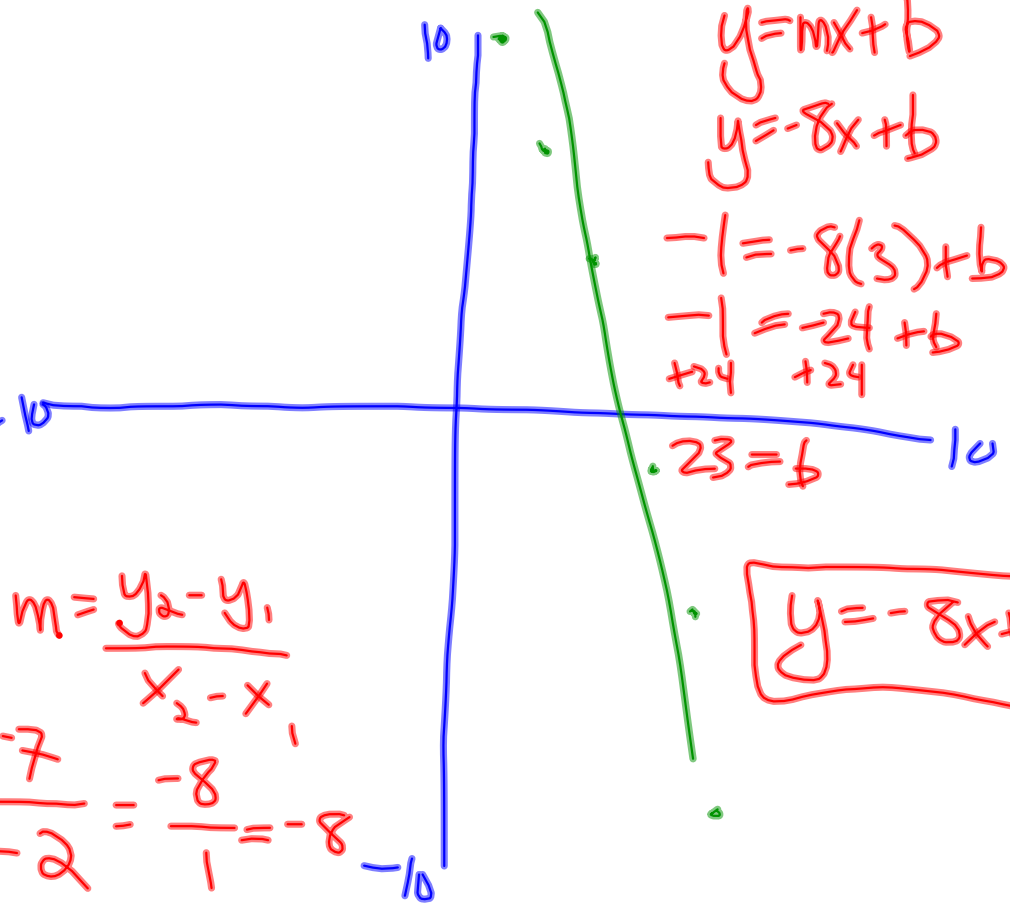
$-1 = -8(3) + b$

$-1 = -24 + b$

$+24 \quad +24$

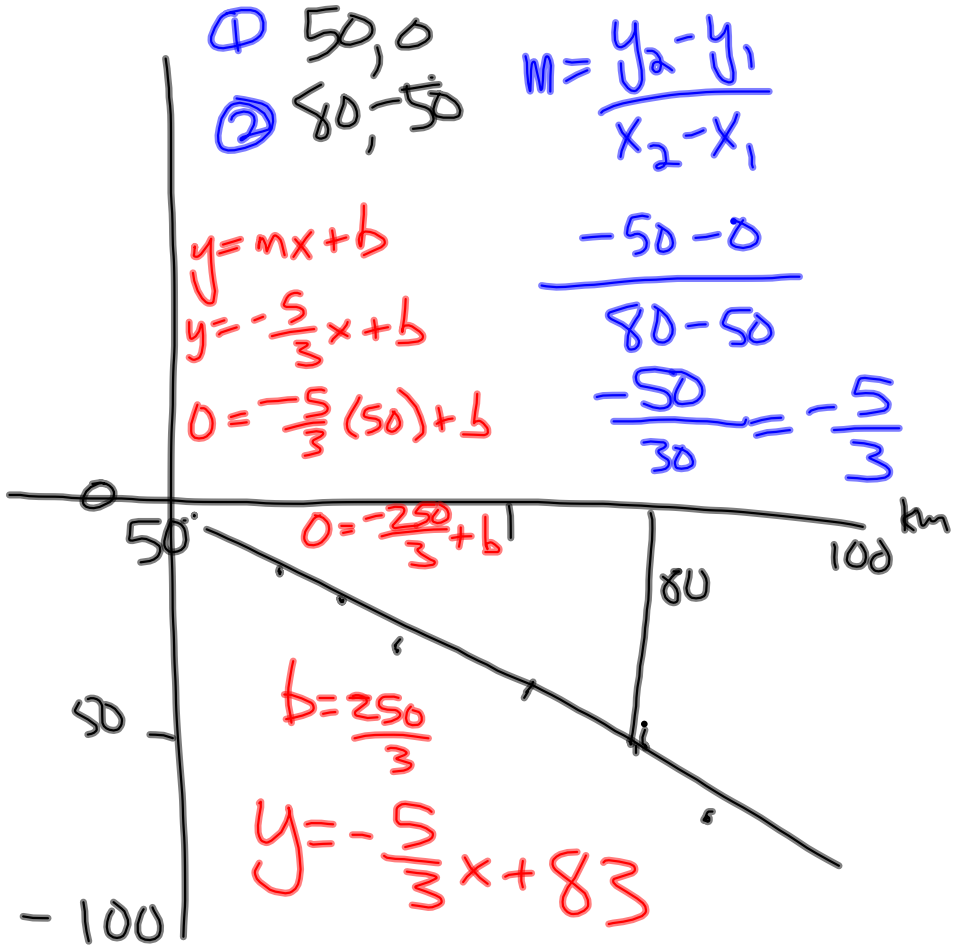
$23 = b$

$y = -8x + 23$



17

km	C
82	-86
80	-65
75	-54
70	-40
65	-26
60	-21
52	-4



MATHO!

$m=-4$ $(3,2)$

$(-2,-2)$ $(4,-8)$

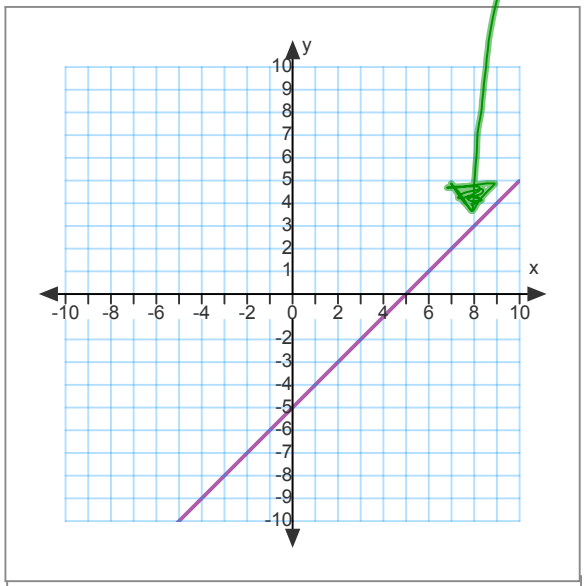
$m=\frac{-2}{3}$ $b=1$

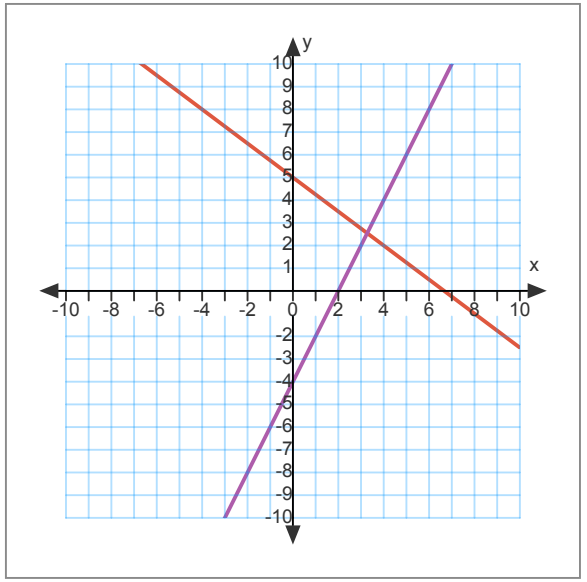
$m=\frac{2}{3}$ $(3,-3)$

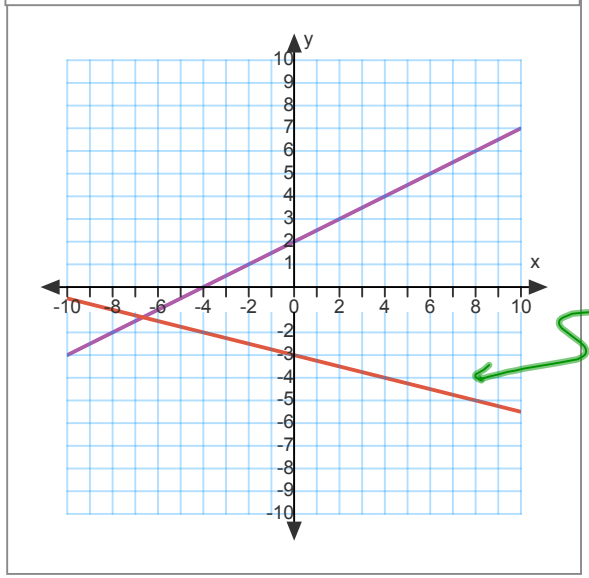
perpendicular to $y=2x-\frac{1}{4}$
$(10,-5)$ $(-5,1)$

perpendicular to $y=\frac{4}{3}x+11$ and goes through $(4,2)$

parallel to $y=4x+7$ and goes through $(1,2)$







slope + one point