Bathroom breaks taken before

Do NOT move the desk!!

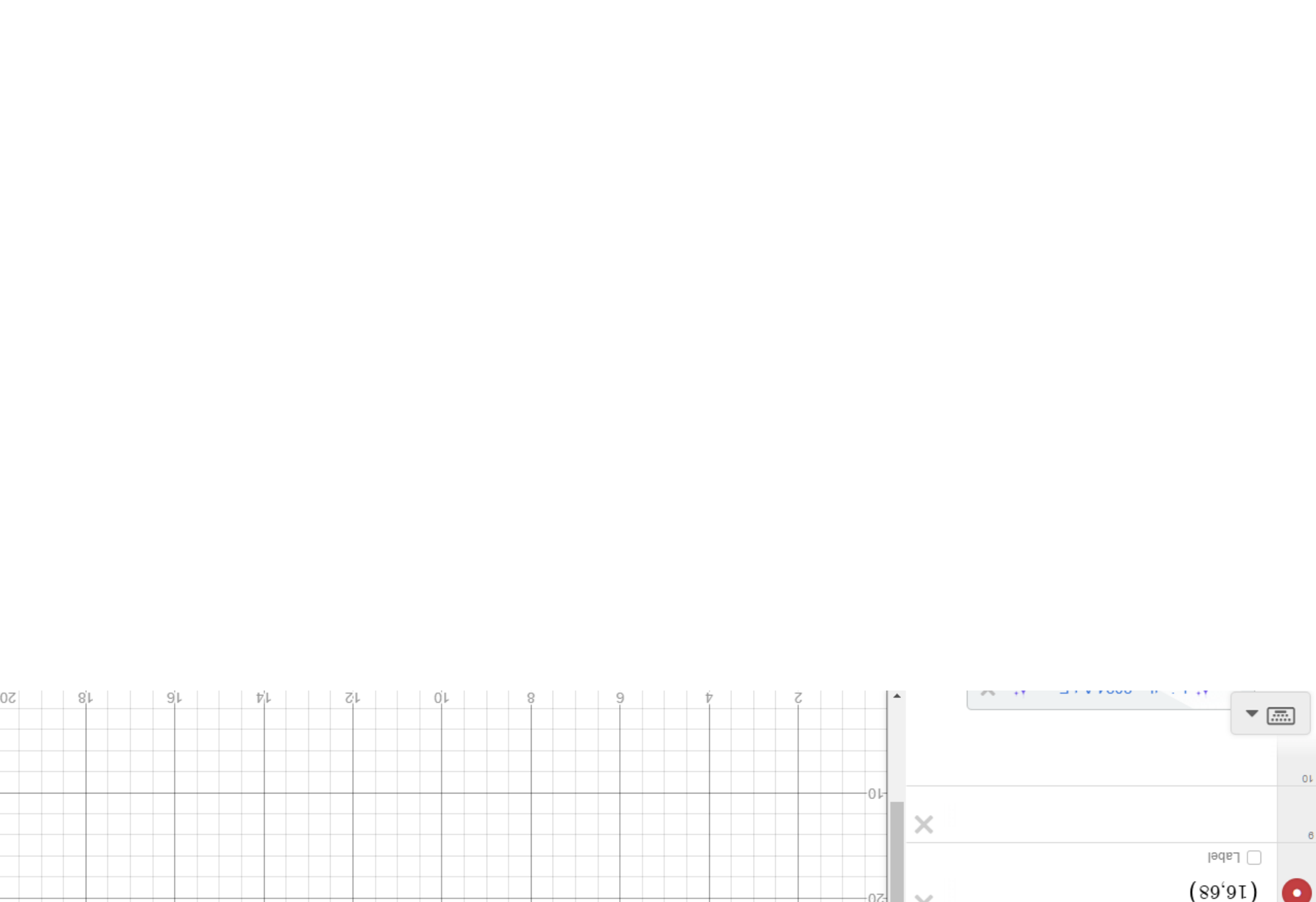
Turn your phone OFF!!

Put your phone up!!

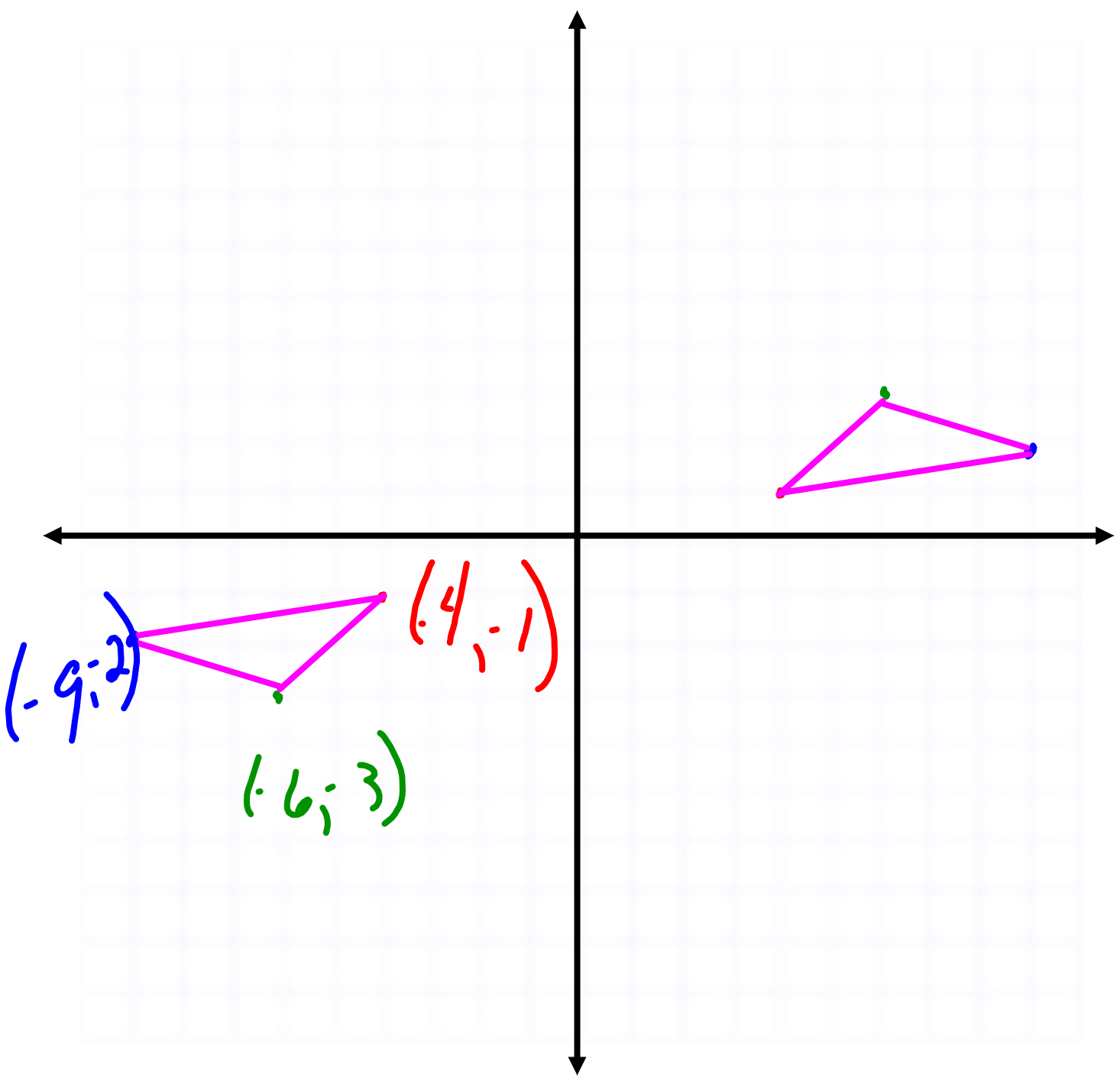
Sit down!! **Be quiet!!**

Prepare to work!!

Keep your hands to yourself!!


(17, 75)
(15, 72)
(14, 59)
(14, 56)
(13, 57)
(13, 54)
(12, 50)
Label
(16,68)
Label
(14,56)
Label
(14,59)
Label
(17,75)
Label
(12,50)
Label
(13,57)
Label
(13,54)
Label
(15,72)
Label

https://www.desmos.com/calculator


(4;-1)
(-9;2)
(-6;3)

Pg 45

1) $(0,7)\ (12,22)$
$x_1\ y_1 \qquad x_2\ y_2$

$m = \frac{22-7}{12-0} = \frac{15}{12} = \frac{5}{4}$

$y - y_1 = m(x - x_1)$

$y - 7 = \frac{5}{4}(x - 0)$

$y - 7 = \frac{5}{4}x$

$y = \frac{5}{4}x + 7$

$m = \frac{5}{4} \qquad b = 7$

$f(18) = \frac{5}{4}(18) + 7$

$f(18) = \frac{45}{2} + \frac{14}{2}$

$f(18) = \frac{59}{2} = 29\frac{1}{2}$

$(18, 29\frac{1}{2})$

d) Weeks x 1 2 3 4 5 6 7

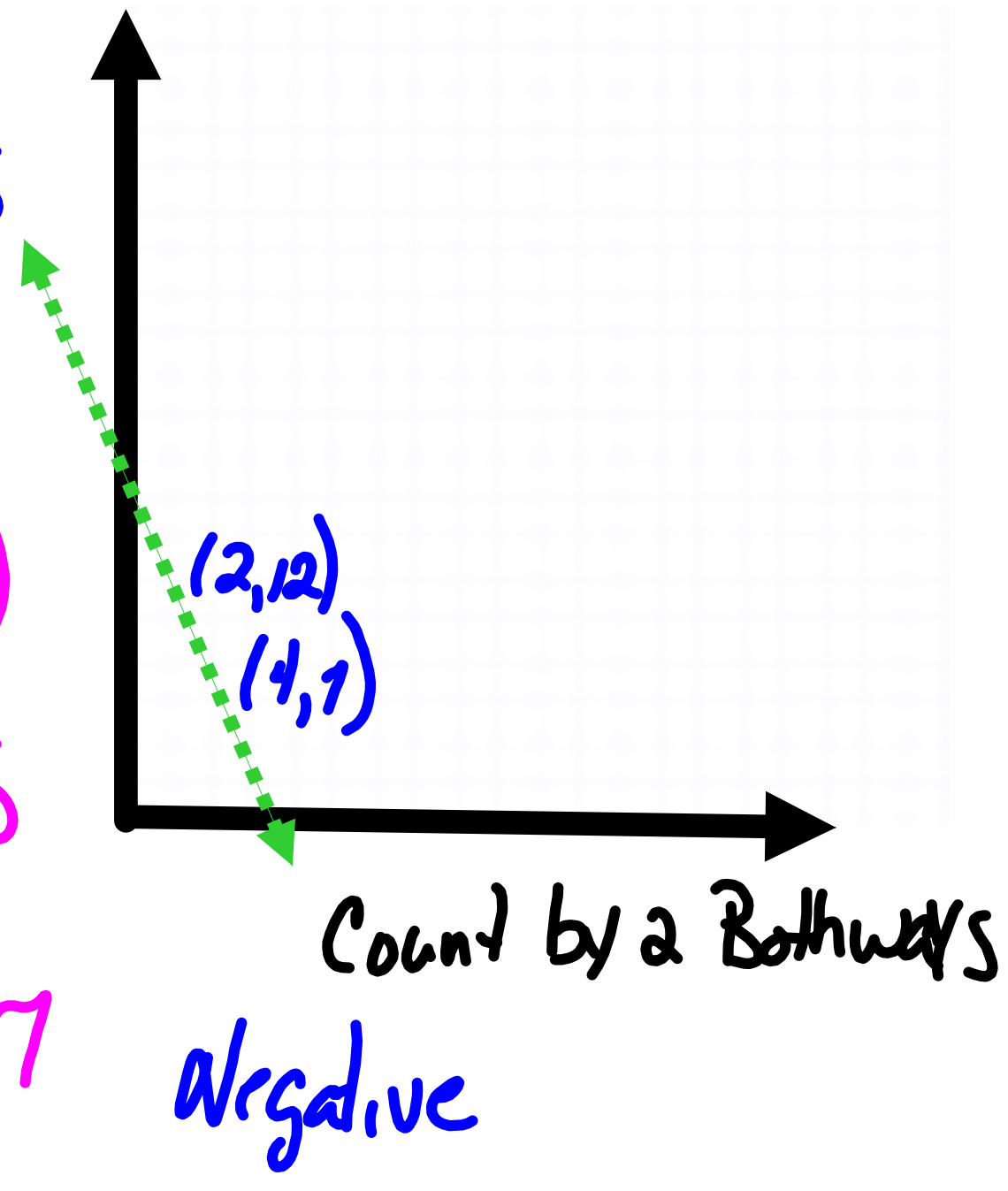
Losses y 15 12 10 7 6 3 1

$m = \frac{7-12}{4-2} = \frac{-5}{2}$

$y - 12 = \frac{-5}{2}(x-2)$

$y - 12 = \frac{-5}{2}x + 5$

$y = \frac{-5}{2}x + 17$



Negative

A correlation coefficient is a number that measures the strength and direction of a linear relationship between two variables in a data set:

- **Value**
- The correlation coefficient ranges from -1 to 1.
- **Direction**
- A positive correlation means that as one variable increases, so does the other. A negative correlation means that as one variable increases, the other decreases.
- **Strength**
- A correlation coefficient closer to 1 indicates a stronger relationship. A correlation coefficient of 0 means there is no relationship between the variables.
- **Perfect correlations**
- A correlation coefficient of 1 indicates a perfect positive correlation, while a correlation coefficient of -1 indicates a perfect negative correlation.