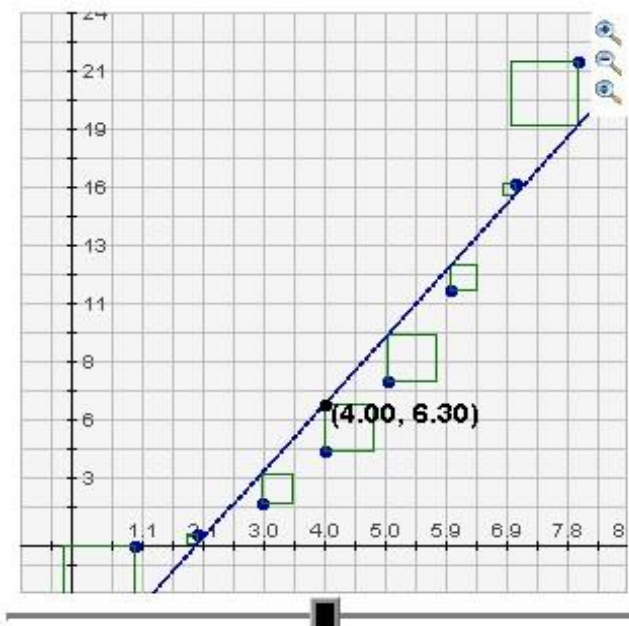


<http://shodor.org/interactivate/activities/DataFlyer/>

Show Deviations

Sum of squares of deviations: 29.121



$$f(x) = 3.1 * x - 6.1$$

Change Function
Reset Sliders
Slider Limits...

Show Squares

Data:

1	0
2	0.482
3	1.9
4	4.213
5	7.379
6	11.356
7	16.103
8	21.578

Plot Data

Clear Data

Auto Scale

Show Vertical Asymptotes

Show Tabular Data

No Grid

Light Grid Lines

Dark Grid Lines

Set Window...

Use this set of 4 pairs of (x, y) values using Data Flyer:

1	1	(1, 1)
2	3	(2, 3)
3	4	(3, 4)
4	8	(4, 8)

Using the Data Flyer application, find the best fitting LINEAR EQUATION for the 4 pairs of (x, y) values. $f(x) = m x + b$ or $y = m * x + b$ or $y = mx + b$.

You are finding values for the SLOPE m and the INTERCEPT b for the equation.

7. What is the sum of the squares of the deviations for your function?
8. What is the SLOPE?
9. What is the INTERCEPT you found?