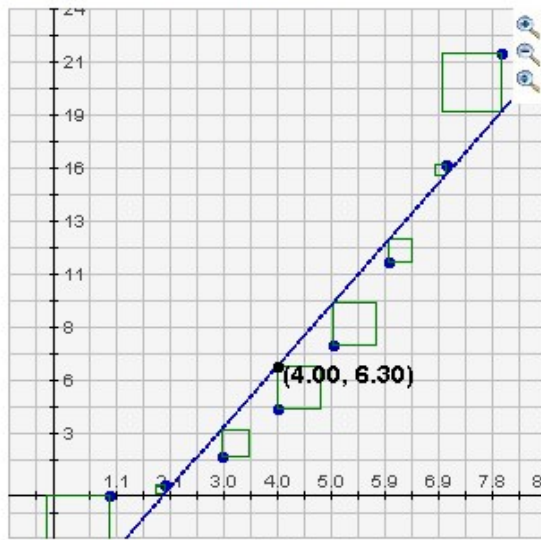


<http://shodor.org/interactivate/activities/DataFlyer/>

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 6 pairs of (x, y) values using Data Flyer:

1	10	(1, 10)
2	12	(2, 12)
4	5	(4, 5)
5	6	(5, 6)
7	3	(7, 3)
7	1	(7, 1)

Using the Data Flyer application, find the best fitting LINEAR EQUATION for the 6 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.

5. What is the sum of the squares of the deviations for your function?

6. What is the SLOPE?

7. What is the INTERCEPT you found?