Show Deviations | Sum of squares of deviations: 29.121

☑ 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
```

(4.00, 6.30)

Plot Data

Clear Data

☑ Auto Scale

☐ Show Vertical Asymptotes
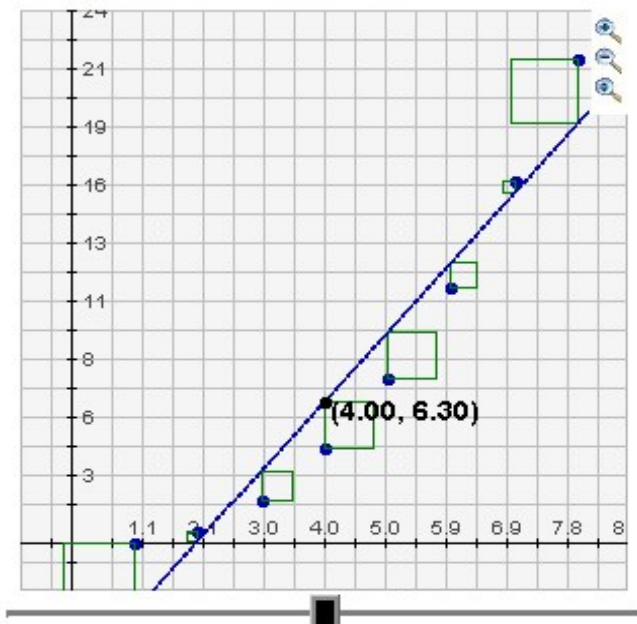
$$f(x) = 3.1*x-6.1$$

Change Function

Reset Sliders

Slider Limits...

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 <u>LINEAR EQUATION</u> 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 <u>SLOPE m</u> and the <u>INTERCEPT b</u> 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?