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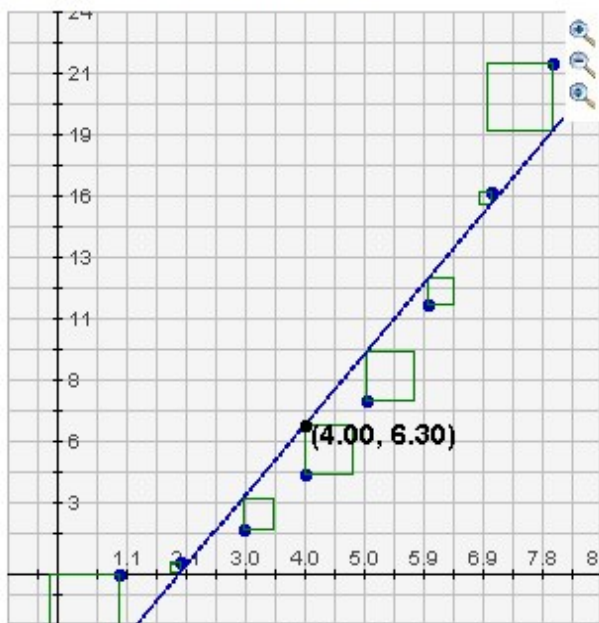
$$f(x) = 3.1*x-6.1$$

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 7        (1,  7)

2 5        (2,  5)

4 3        (4,  3)

6 2        (6,  2)
```

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 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?

10.   What is the equation for the line you found? (The equation for a line is a linear equation).