## Exercise 26

Draw a scatter plot for the data provided in Table 3. Then determine whether the data appears to be linearly related.

| 0 | 2 | 4 | 6 | 8 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| -450 | -200 | 10 | 265 | 500 | 755 |

Table 3

## Solution

Draw the following points on a graph: $(0,-450),(2,-200),(4,10),(6,265),(8,500)$, and $(10,755)$.


Mathematica's FindFit function gives

$$
y=-451.905+119.714 x
$$

as the line that best fits the data. The data is linearly related.

