## Exercise 26

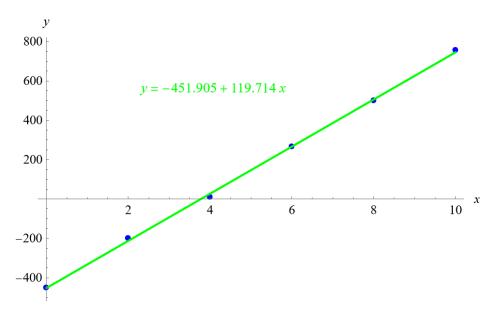
Draw a scatter plot for the data provided in Table 3. Then determine whether the data appears to be linearly related.

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

$$y = -451.905 + 119.714x$$

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