A white sheet with black numbers and a white background

Description automatically generated with medium confidence

Correct these statements:

1. The slope of this line is -3.3486
2. When the independent variable equals 0, the dependent variable is expected to equal 636.0739.
3. If I want to predict the value at time 30, I use this formula:

Y = 30\*(-3.3486) + 636.0739

Y = 636.0739 – 3.3486\*30

1. If my predictions are close to the observed values, that means the residuals are small.
   1. What does this say about the noise in the data?
2. For every 1 unit increase in time, the outcome will decrease by approximately 3.3486.
3. The value of the outcome at time 0 is approximately 636.0739.