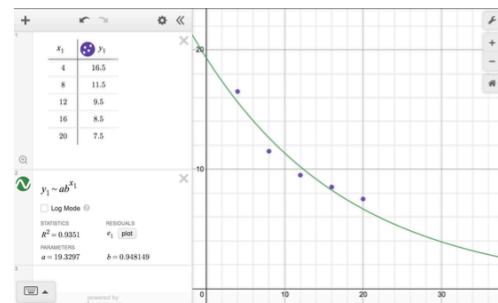# Results:

Trial 1:

Keep standard:
- Time: 10 seconds
- Angle of Pendulum: 40°
- Change the length of string by 4 inches each time

Length of String (in)	Number of Oscillations
4	16.5
8	11.5
12	9.5
16	8.5
20	7.5

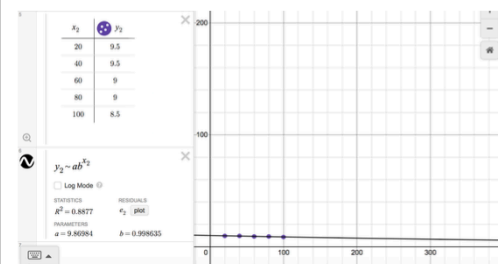What does this look like in a graph?

Trial 2:

What if we …
- keep the length of the string at 12 inches
- keep the time at 10 seconds
- change the angle of the pendulum by 20° each time

Angle of the Pendulum	Number of Oscillations
20	9.5
40	9.5
60	9
80	9
100	8.5

What does this look like in a graph?

Trial 3:

What if we ...

- keep the time at 10 seconds
- change the length of the string by 4 inches each time
- change the angle of the pendulum by 20° each time

Length of String (in)	Angle of the Pendulum	Number of Oscillations
4	20	15
8	40	11.5
12	60	8.5
16	80	7.5
20	100	7

What does this look like in a graph?