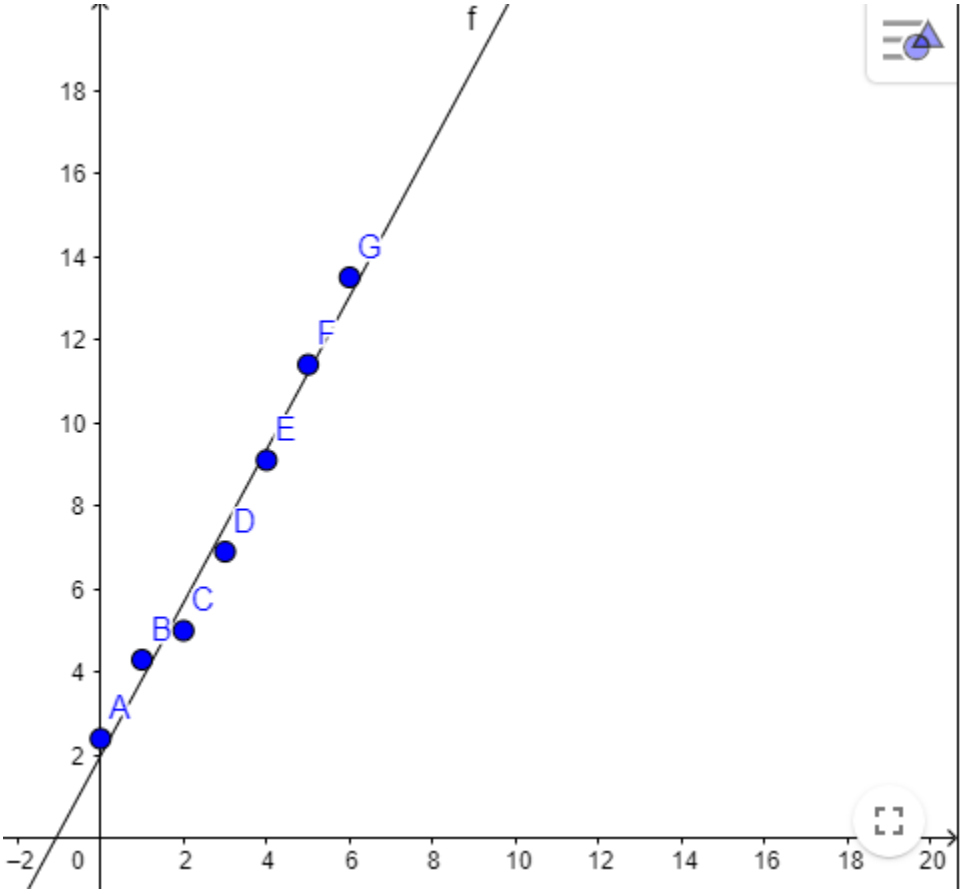
Cody Morgan
James Volz

1.



2. Positive correlation

3. 1.84x + 1.99

$$\frac{\sum y*\sum x^2-\sum x*\sum xy}{n(\sum x^2-(\sum x)^2)} = \frac{52.6*91-21*209.4}{7*91-21*21} \approx 1.99$$

$$\frac{n(\sum xy)-\sum x\sum y}{n(\sum x^2-(\sum x)^2)} = \frac{7*209.4-21*52.6}{7*91-21*21} \approx 1.84$$

4a. 8.43 1.84(3.5) + 1.99

4b. 16.71 1.84(8.0) + 1.99