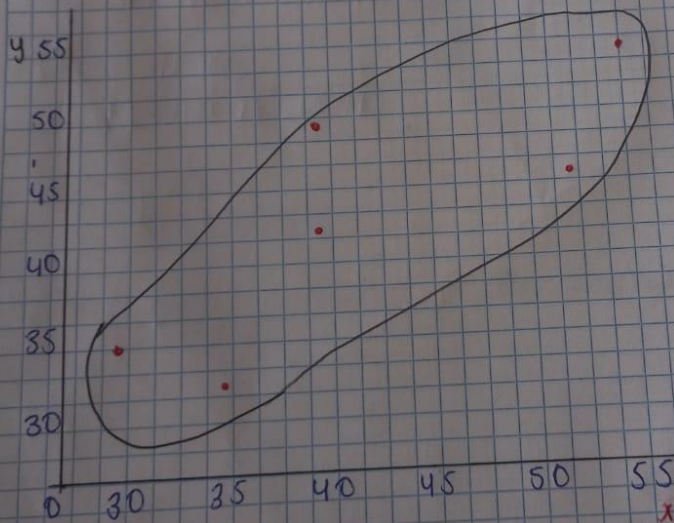


## TAREA 5- BLOQUE 4- DANILO MARTINEZ- ESTADISTICA

### Actividad 5- Bloque 4- Danilo Martinez-5to

| x   | y   | $x^2$ | $y^2$ | $xy$  |
|-----|-----|-------|-------|-------|
| 40  | 43  | 1600  | 1849  | 1720  |
| 40  | 48  | 1600  | 2304  | 1920  |
| 55  | 54  | 3025  | 2916  | 2920  |
| 35  | 32  | 1225  | 1024  | 1120  |
| 52  | 45  | 2704  | 2025  | 2340  |
| 30  | 35  | 900   | 1225  | 1050  |
| 252 | 257 | 11054 | 11343 | 11120 |



Danielo Martinez - 5to admón.

Formula c

$$r = \frac{N \sum (xy) - \sum x \sum y}{\sqrt{[N \sum x^2 - (\sum x)^2][N \sum y^2 - (\sum y)^2]}}$$

$$R = \frac{6 \cdot 11,120 - 252 \cdot 257}{\sqrt{[6 \cdot 11,054 - 252^2][6 \cdot 11,343 - 257^2]}}$$

$$R = \frac{66,720 - 64,764}{\sqrt{[66,324 - 63,504][68,058 - 66,049]}}$$

$$R = \frac{1956}{\sqrt{[2,820][2,009]}}$$

$$R = \frac{1956}{\sqrt{5,665,380}}$$

$$R = \frac{1956}{2,380.21} = 0.82 = \text{Es aceptable}$$