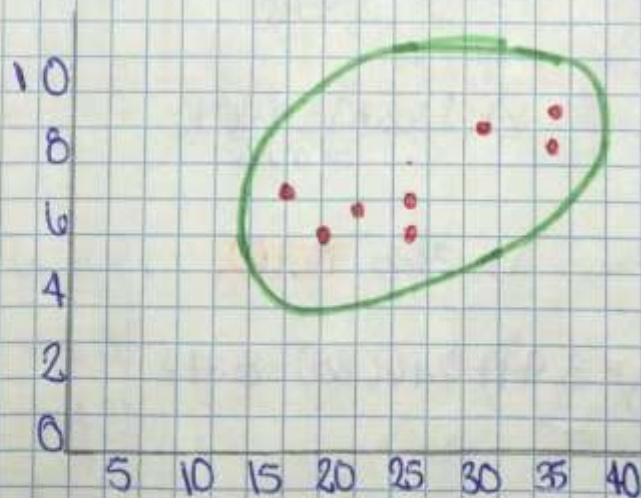


Tarefa No. 7
 Daniela Sandoval
 Estadística de empresas

X	Y	X^2	Y^2	XY
20	6.5	4000	42.25	130
16	6	256	36	96
34	8.5	1156	72.25	289
23	7	529	49	161
27	9	729	81	243
32	9.5	1024	90.25	304
18	7.5	324	56.25	135
22	8	484	64	176
192	62	1902	491	1534



$$r = \frac{8 \cdot 1.534 - 192 \cdot 62}{\sqrt{8 \cdot 4.922 - 182^2} \cdot (8 \cdot 191 - 62^2)}$$

$$r = \frac{12.272 - 11.904}{\sqrt{39.216 - 36.864} \cdot (3.98 - 3844)}$$

$$r = \frac{368}{\sqrt{2.352} \cdot (84)}$$

$$r = \frac{368}{\sqrt{197.568}}$$

$$r = \frac{368}{444.49} = 0.83 \text{ correlación aceptable}$$

$$a = \frac{4.902 \cdot 62 - 192 \cdot 1534}{8 \cdot 4902 - 1922}$$

$$b = \frac{8 \cdot 1534 - 192 \cdot 62}{2.352}$$

$$a = \frac{303.924 - 294.528}{39.216 - 36.864}$$

$$b = \frac{12.272 - 11.904}{2.352}$$

$$a = \frac{9.396}{2.352} = 3.99$$

$$b = 368 = 0.16$$

$$y = 3.99 + 0.16(28) = 8.47$$

R// La nota esperada para una persona del estudiante 28 horas de 8.5