



*Nombre del Alumno:*

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$$\frac{190}{140.82} = 0.999176963 \times 100 = \underline{\underline{99.41769635\%}}$$

Es una relación fuerte que se acerca a 1

continuación 5

$$\hat{y}' = B_0 + B_1x$$

$$B_1 = \frac{190}{583.28} = B_1 = \underline{\underline{0.29}}$$

$$B_0 = 63 - 0.29(93.33) = 22.3992 - 40.51$$

$$y = \underline{\underline{40.61 + 0.29x}}$$

Relación Entre conmas de Proteinas y masa molecular

P	masa molecular conmas de P. (g)	masa molecular
1	80	60
2	100	65
3	90	62
4	85	61
5	110	67
6	95	63

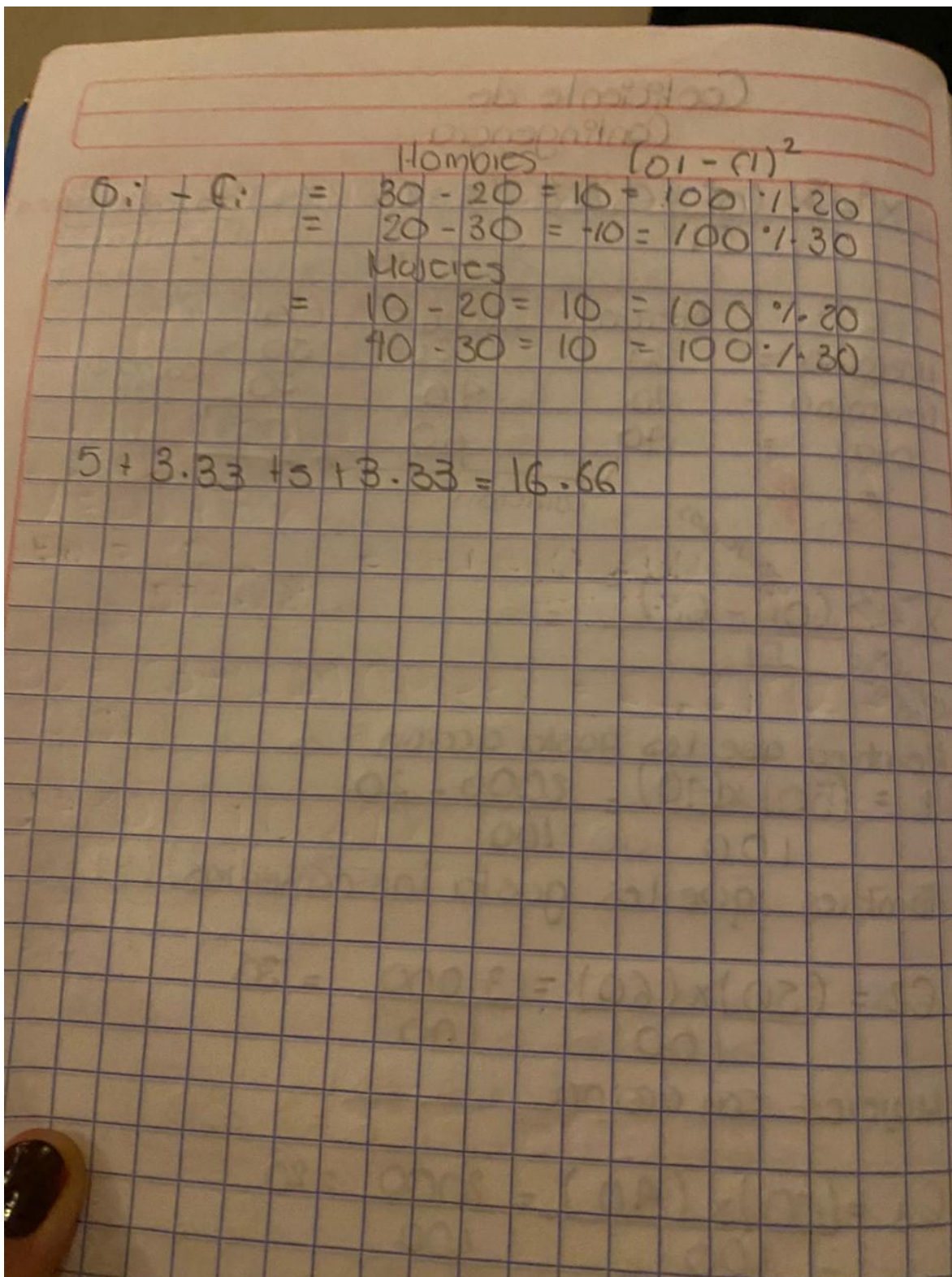
$\bar{x} = \frac{80 + 100 + 90 + 85 + 110 + 95}{6} = 93.33$   
 $\bar{y} = \frac{60 + 65 + 62 + 61 + 67 + 63}{6} = 63$   
 $r =$

x	y	$x_i - \bar{x}$	$y_i - \bar{y}$	$(x_i - \bar{x})(y_i - \bar{y})$	$(x_i - \bar{x})^2$
80	60	-13.33	-3	39.99	177.68
100	65	6.67	2	13.34	44.48
90	62	3.33	-1	-3.33	11.08
85	61	-8.33	-2	16.66	69.38
110	67	16.67	4	66.68	277.88
95	63	1.67	0	0	2.78
				$\Sigma 140$	583.28

$(y_i - \bar{y})^2$   
 9  
 4  
 1  
 4  
 16  
 0  
 39

$\frac{583.28 \times 39}{140}$   
19,83152 //  
 $\sqrt{19,83152}$   
 $r = 140.82$





### Coefficiente de Contingencia

$$\chi^2 = \sum \frac{(O_i - E_i)^2}{E_i} = \frac{(\text{total. fila})(\text{total. columna})}{\text{total general}}$$

	Acción	comedia	total
Marcelina =	30	20	50
Femenino =	10	40	50
total =	40	60	100

*coincidir* (pointing to the 50s in the first column)

*coincidir* (pointing to the 50s in the second column)

$$\chi^2 = \sum \frac{(O_i - E_i)^2}{E_i}$$

*Frecuencia esperada* (pointing to the denominator E<sub>i</sub>)

Hombres que les gusta acción

$$E_1 = \frac{(50) \times (40)}{100} = \frac{2000}{100} = 20$$

Hombres que les gusta las comedias

$$E_2 = \frac{(50) \times (60)}{100} = \frac{3000}{100} = 30$$

Mujeres con acción

$$E_3 = \frac{(50) \times (40)}{100} = \frac{2000}{100} = 20$$

MC

$$E_4 = \frac{(50) \times (60)}{100} = \frac{3000}{100} = 30$$