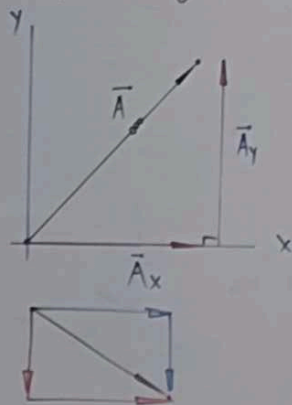
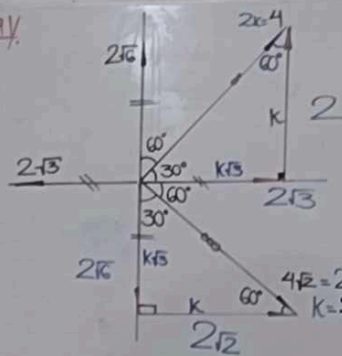


Analisis Vectorial

Descomposición Rectangular.



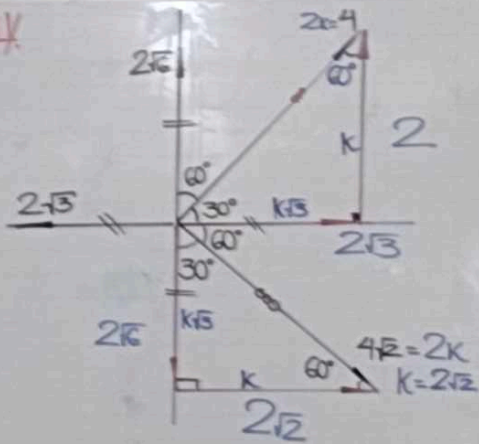
19/



20/

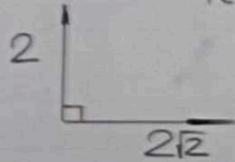
$$R = \sqrt{2^2 + (2\sqrt{2})^2}$$
$$R = 2\sqrt{3}$$

19/

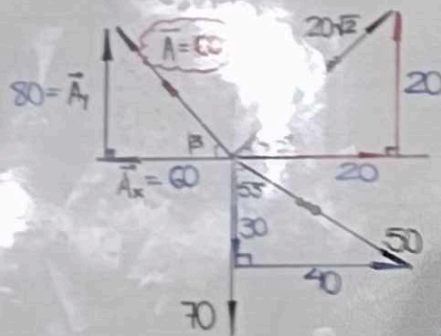


$$R = \sqrt{2^2 + (2\sqrt{2})^2}$$

$$R = 2\sqrt{3}$$



20/



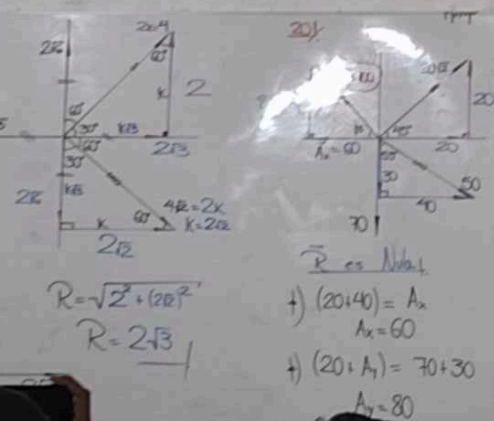
R es Nula!

$$+ (20 + 40) = A_x$$

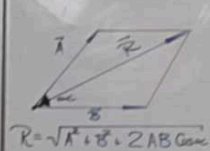
$$A_x = 60$$

$$+ (20 + A_y) = 70 + 30$$

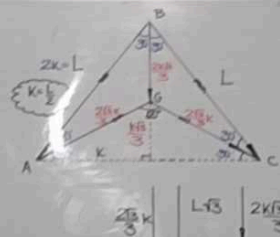
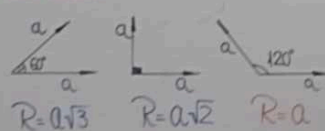
$$A_y = 80$$

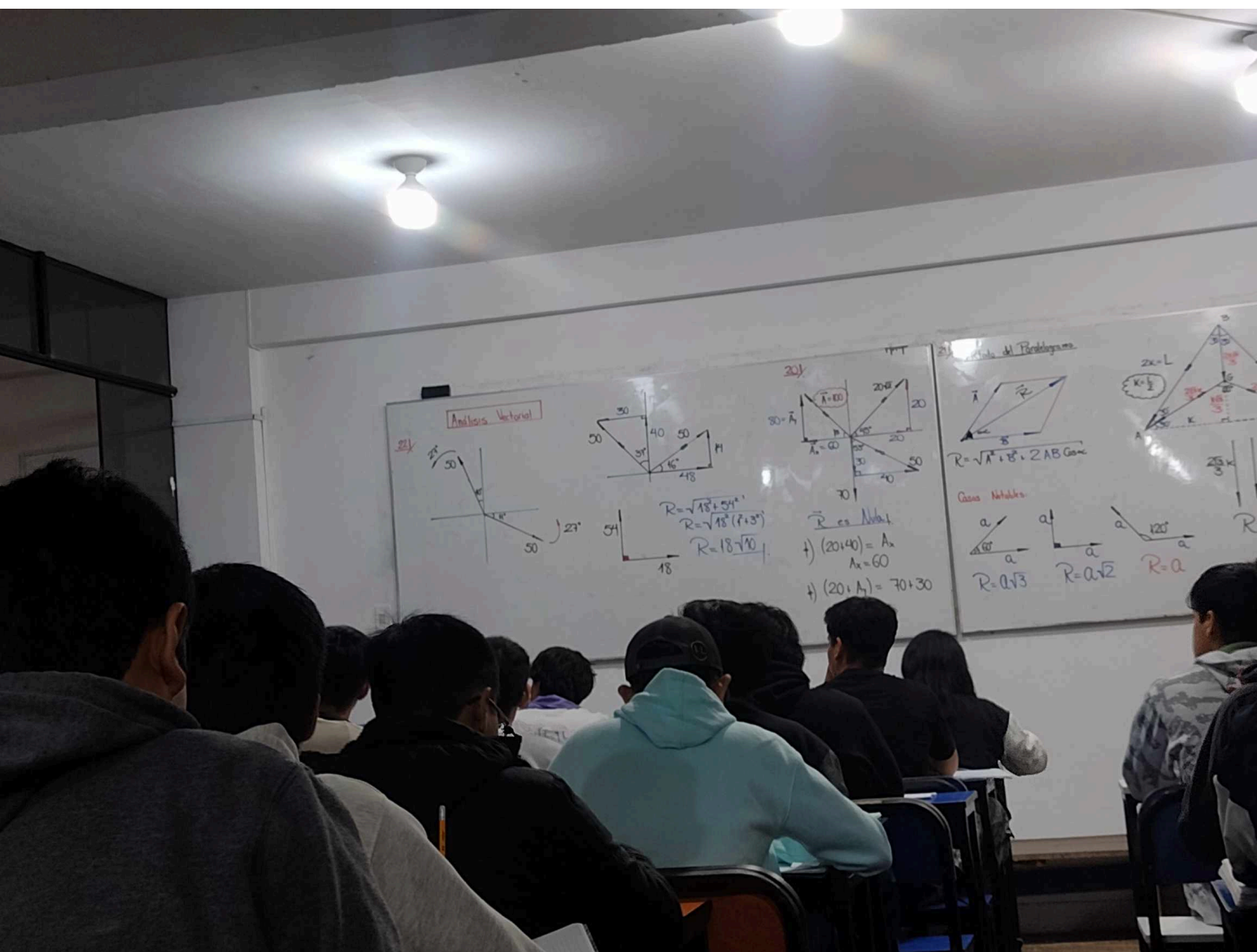


21/ Método del Paralelogramo

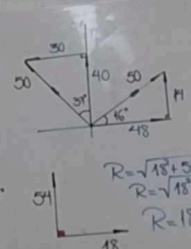
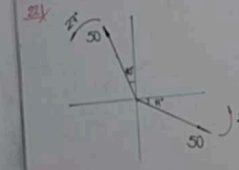


Casos Particulares

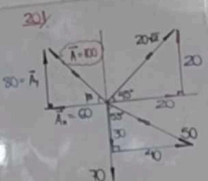




Análisis Vectorial



$$R = \sqrt{18^2 + 54^2}$$
$$R = \sqrt{18^2 (1 + 3^2)}$$
$$R = 18\sqrt{10}$$

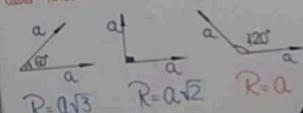


\vec{R} es Nul

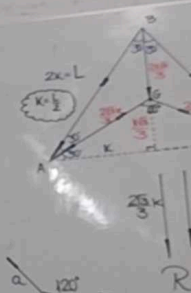
$(20, 40) = A_x$
 $A_x = 60$

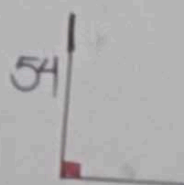
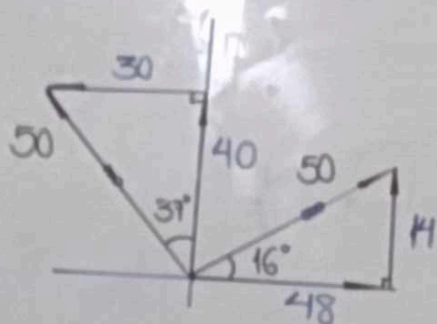
$(20, A_y) = 70 + 30$

Casos Notables



$R = a\sqrt{3}$ $R = a\sqrt{2}$ $R = a$





$$R = \sqrt{18^2 + 54^2}$$

$$R = \sqrt{18^2 (1 + 3^2)}$$

$$R = 18\sqrt{10}$$

23/

$$\vec{A} - 2\vec{B} - \vec{C} = 10\hat{i} + 5\hat{j}$$

$$\vec{A} + \vec{B} + \vec{C} = -4\hat{i} + 3\hat{j}$$

$$|\vec{A} - 5\vec{B} - 3\vec{C}|$$

$$(-) \left| \begin{array}{l} 2\vec{A} - 4\vec{B} - 2\vec{C} = 20\hat{i} + 10\hat{j} \\ \vec{A} + \vec{B} + \vec{C} = -4\hat{i} + 3\hat{j} \end{array} \right|$$

$$\vec{A} - 5\vec{B} - 3\vec{C} = \frac{24\hat{i} + 7\hat{j}}{\begin{matrix} \times & y \end{matrix}}$$

$$\sqrt{24^2 + 7^2}$$

25

$$2\vec{B} - \vec{C} = 10\hat{i} + 5\hat{j}$$

$$\vec{B} + \vec{C} = -4\hat{i} + 3\hat{j}$$

$$5\vec{B} - 3\vec{C}$$

$$4\vec{B} - 2\vec{C} = 20\hat{i} + 10\hat{j}$$

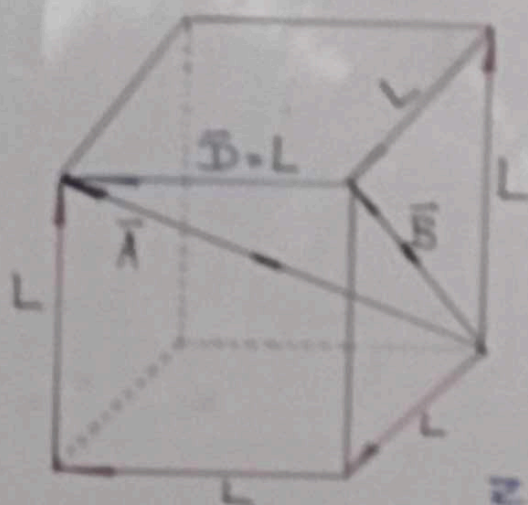
$$\vec{B} + \vec{C} = -4\hat{i} + 3\hat{j}$$

$$5\vec{B} - 3\vec{C} = \frac{24\hat{i} + 7\hat{j}}{\begin{matrix} \times & y \end{matrix}}$$

$$\sqrt{2^2 + 7^2}$$

$$\underline{25}$$

28)



$$\frac{|\vec{A} + \vec{B}|}{|\vec{A} - \vec{B}|}$$

$$\frac{3L}{L} = \underline{3}$$

