



Mapa conceptual

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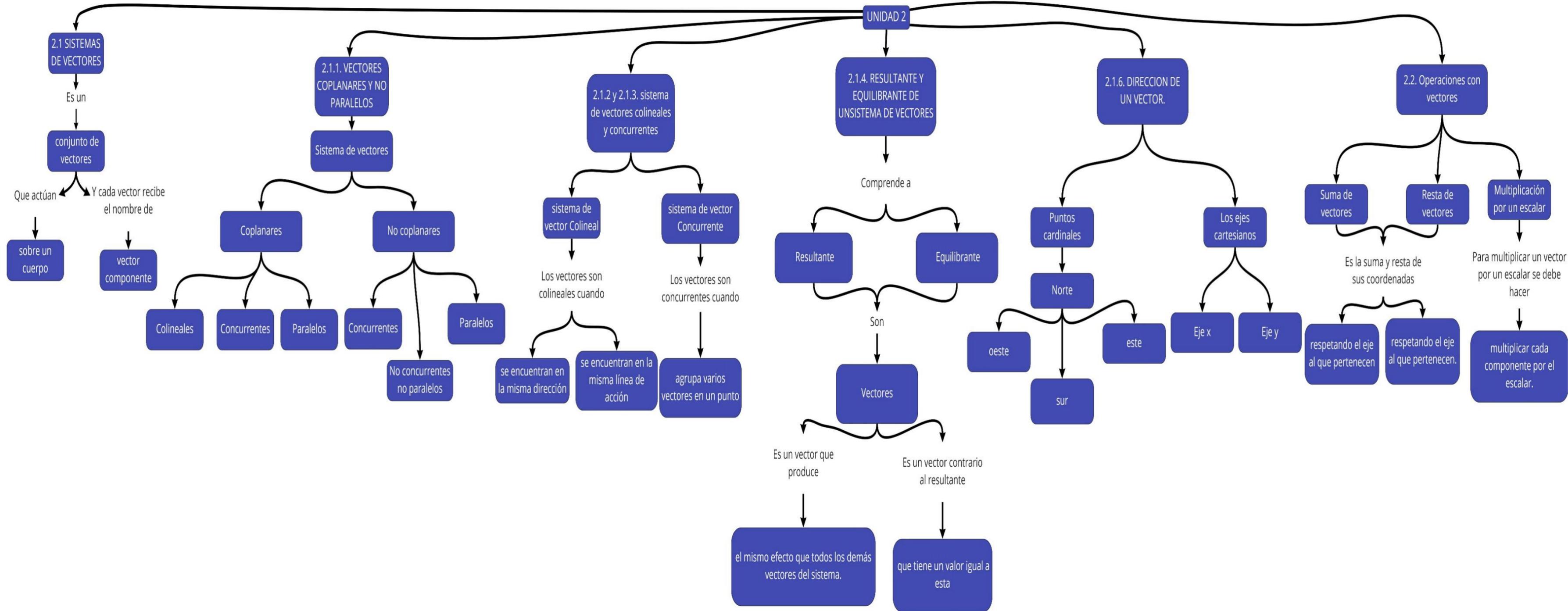
Nombre del trabajo: Mapa conceptual

Materia: Fisca 1

PASIÓN POR EDUCAR

Grado: Bachillerato

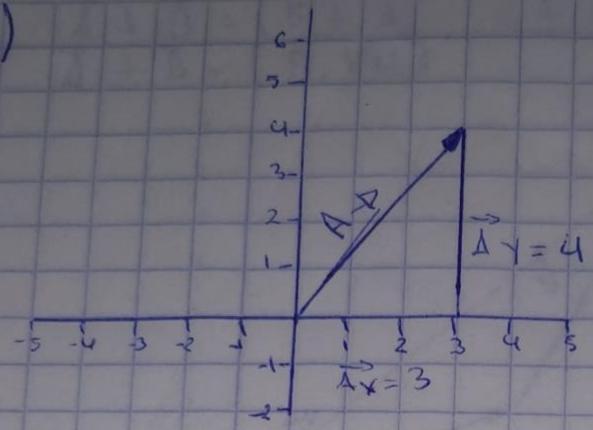
Grupo: BEN01SDM0120-A



Sistema de Vectores 11/03/2022

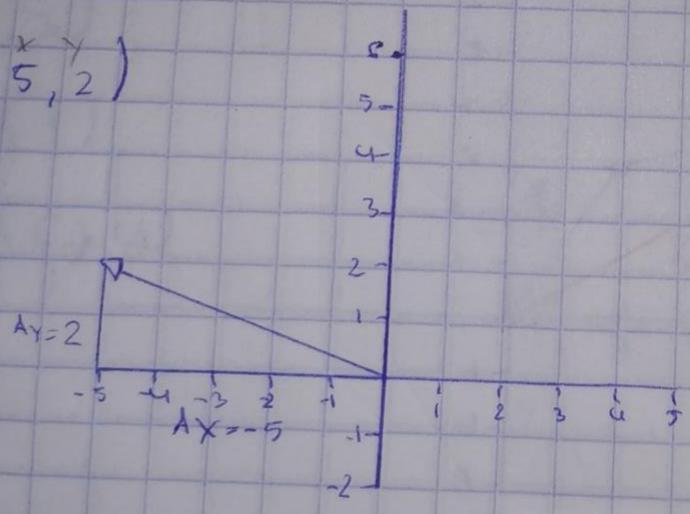
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$$A = \begin{pmatrix} x \\ y \end{pmatrix} = (3, 4)$$



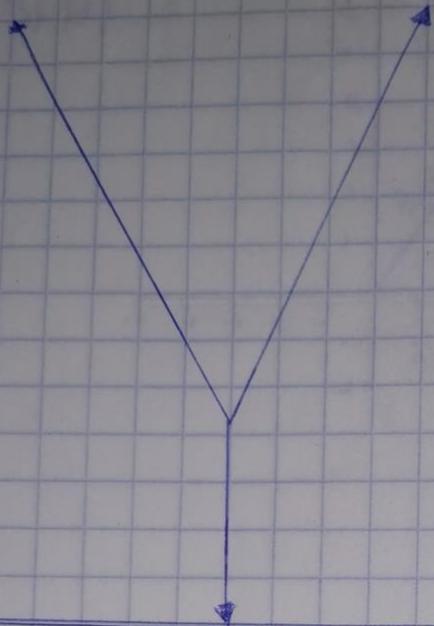
$$|\vec{A}| = 5$$

$$B = \begin{pmatrix} x \\ y \end{pmatrix} = (-5, 2)$$

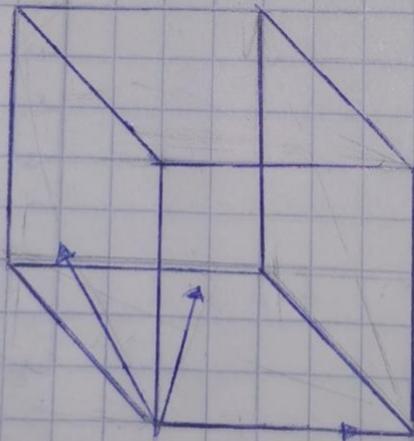


$$|\vec{B}| = 5,38$$

Vectores coplanares y no coplanares (11/03)2020
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Vector coplanar



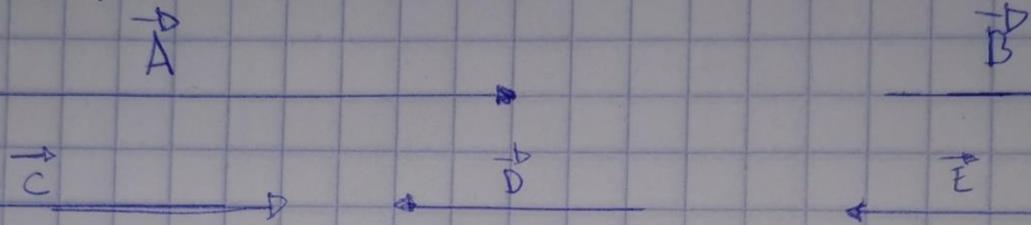
Vector no coplanar

Vectores Colineales

14/03/2022

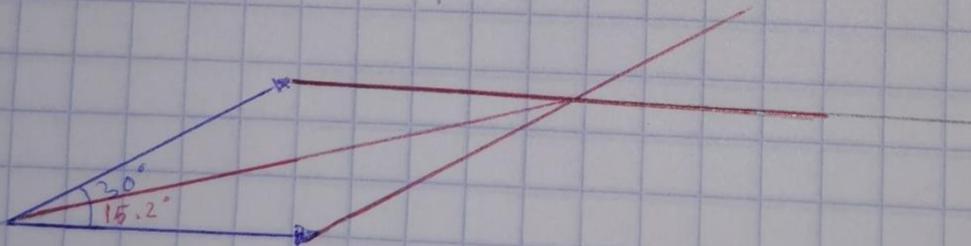
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Los vectores colineales son aquellas que comparten una misma dirección o se encuentran en líneas paralelas. Todos estos vectores son colineales, excepto el vector \vec{H} .



Vectores Concurrentes

$$3.3 \text{ cm} = 33 \text{ N}$$



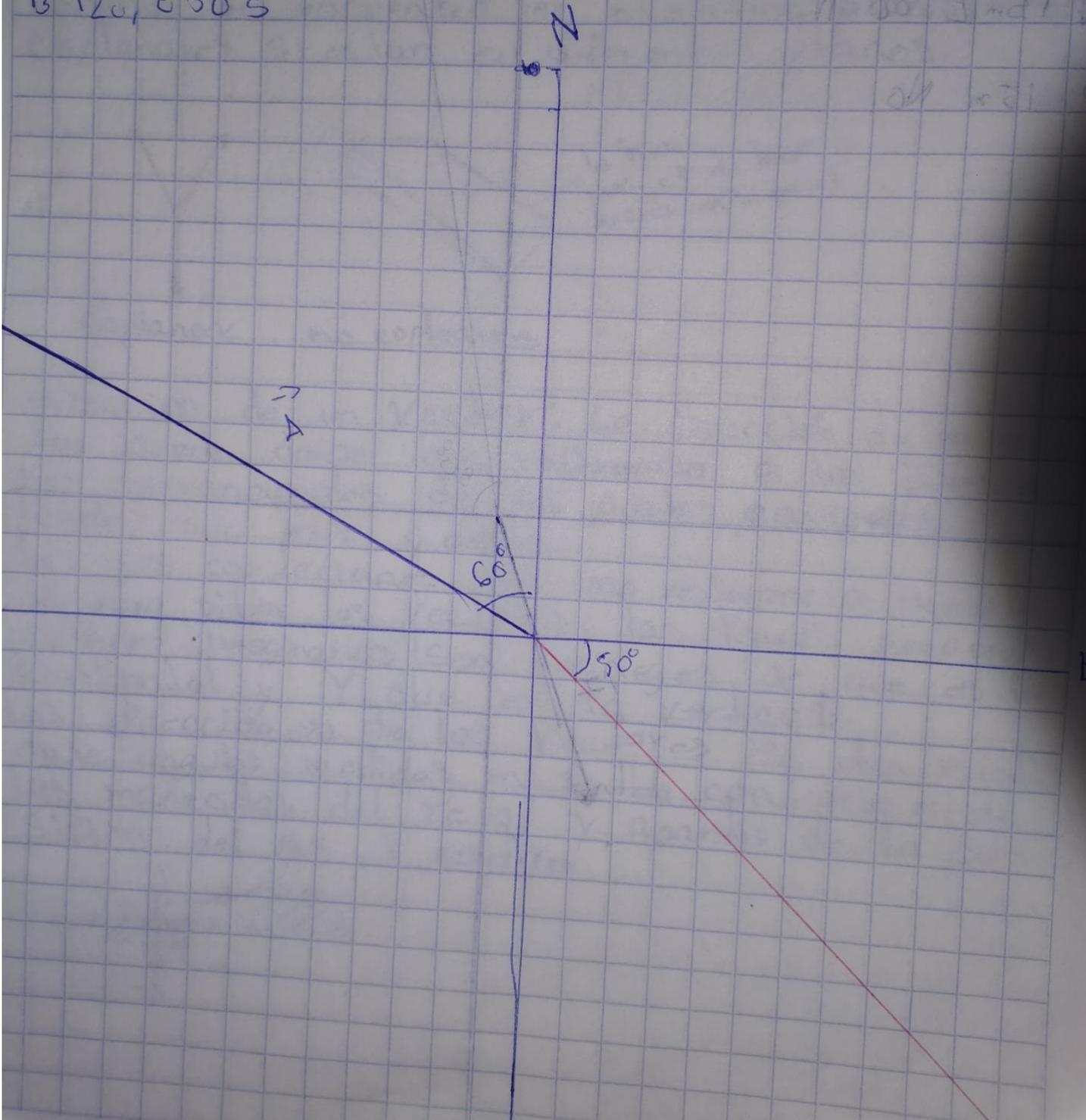
11/03/202

Dirección de un Vector

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\vec{A} 20m, N 60° O

\vec{B} 12m, E 50° S

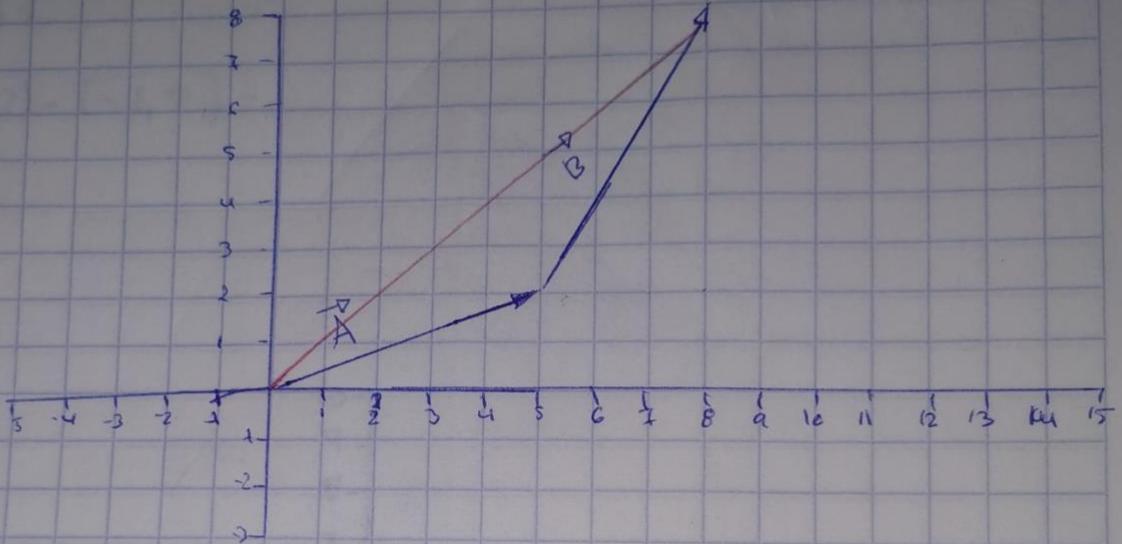


Suma de Vectores metodo del Poligono

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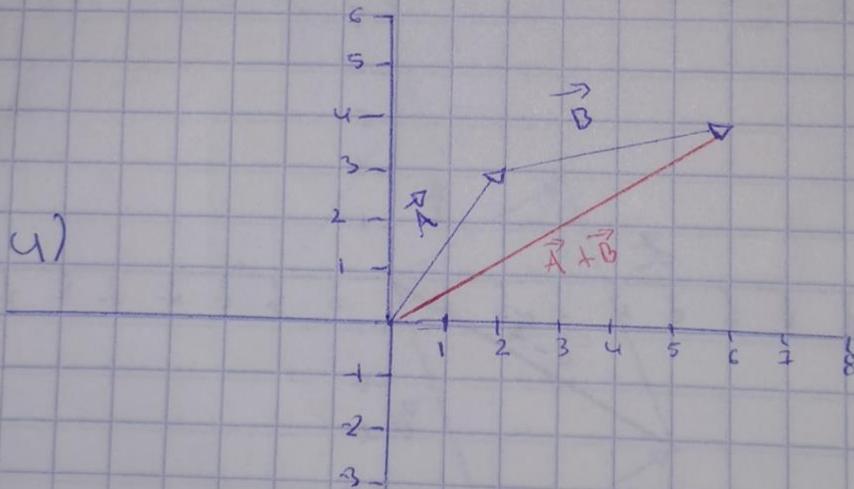
$$\vec{A} = (5, 2)$$
$$\vec{B} = (3, 8)$$
$$\vec{A} + \vec{B} = (5 + 3, 2 + 8)$$
$$\vec{A} + \vec{B} = (8, 10)$$



$$\vec{A} = (2, 3)$$

$$\vec{B} = (4, 1)$$

$$\vec{A} + \vec{B} = (6, 4)$$



Suma de vectores metodo del poligono

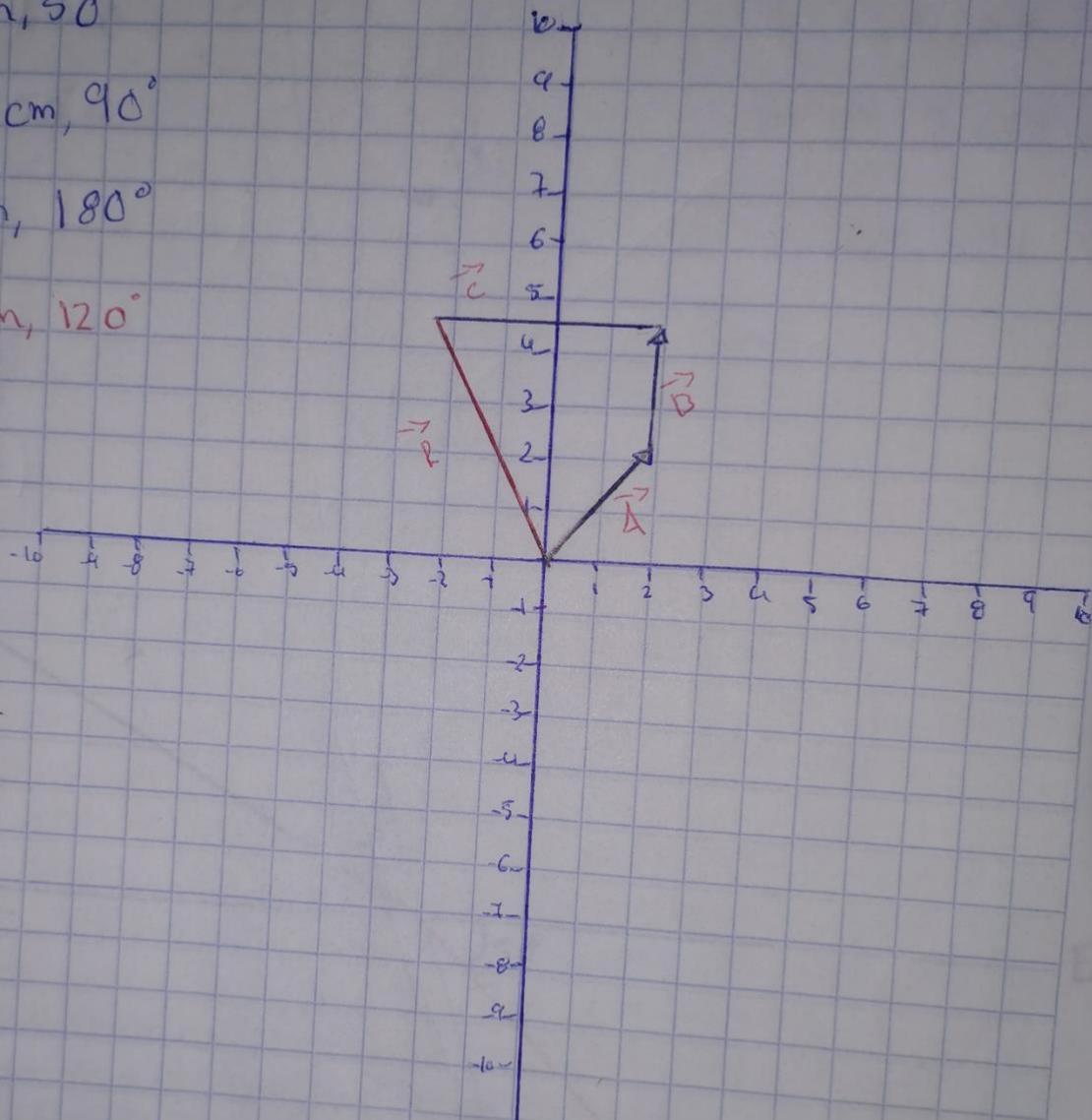
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$$\vec{A} = 2\text{cm}, 50^\circ$$

$$\vec{B} = 1.5\text{cm}, 90^\circ$$

$$\vec{C} = 3\text{cm}, 180^\circ$$

$$\vec{R} = 3.5\text{cm}, 120^\circ$$



Resta de vectores

11/03/2022

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$$\vec{A} = (3, 2)$$

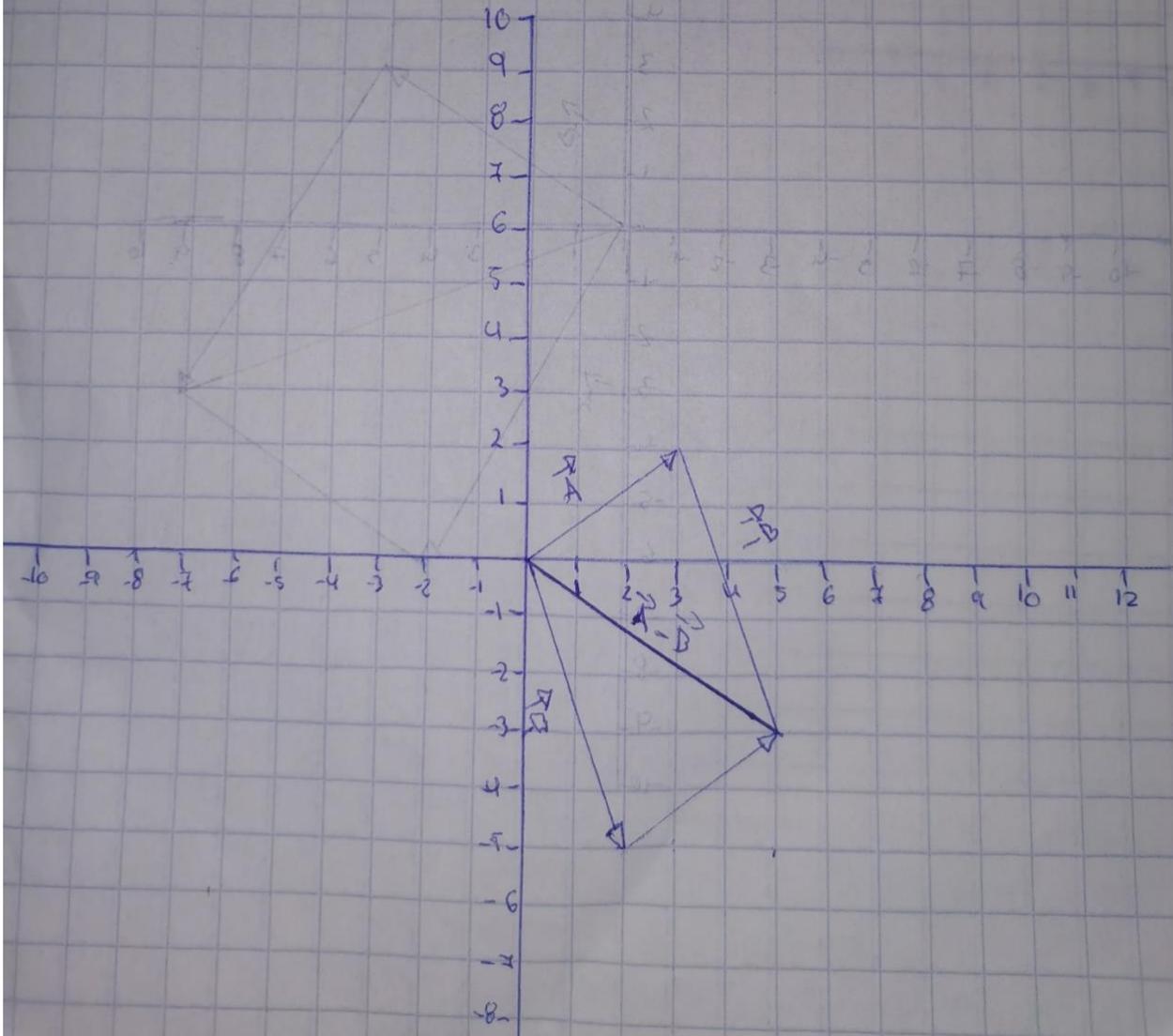
$$\vec{B} = (-2, 5)$$

metodo del paralelogramo

$$\vec{r} - \vec{s} = (3, 2) - (-2, 5) = (5, -3)$$

$$\vec{r} = (3, 2)$$

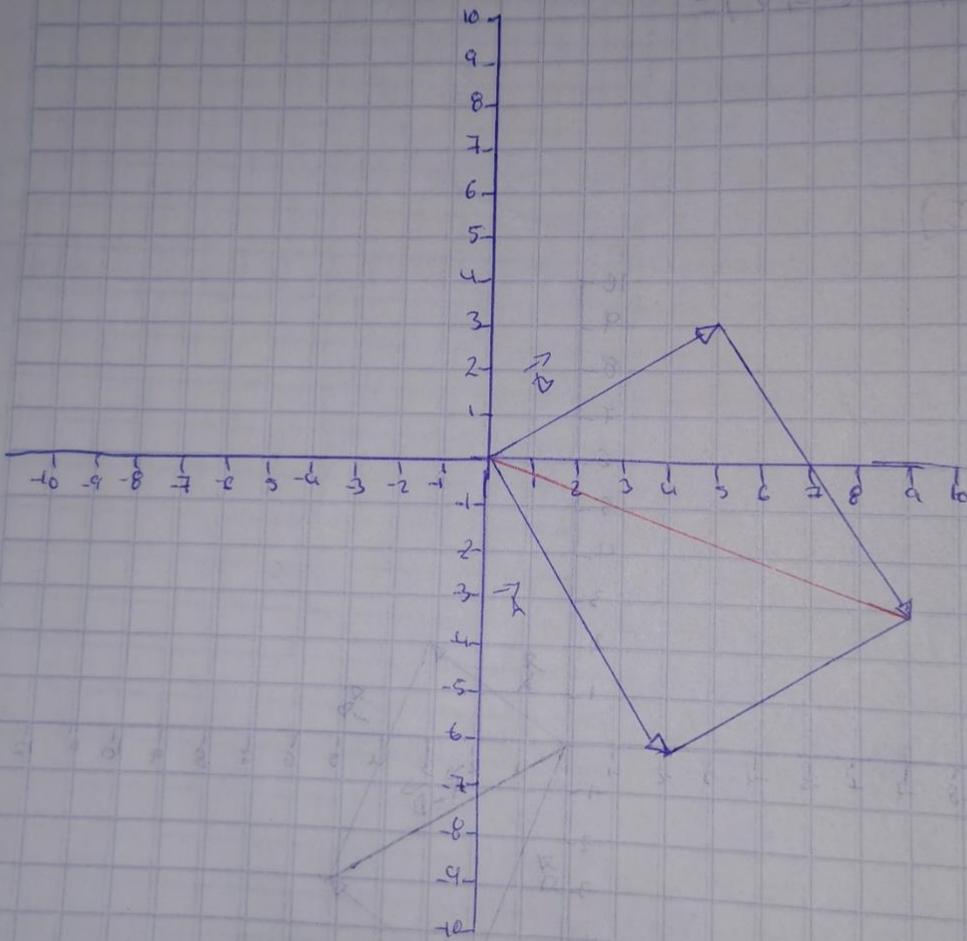
$$\vec{s} = (-2, 5)$$



$$\vec{A} = (4, -6) \quad \vec{B} = (-5, -3)$$

$$\vec{A} - \vec{B} = \vec{a} = (4, -6) - (-5, -3) = (9, -3)$$

$$R = (9, -3)$$



Bibliografía

UDS. (s.f.). *Plataforma educativa UDS*. Recuperado el 9 de Marzo de 2022, de <https://plataformaeducativauds.com.mx/assets/biblioteca/4e471d01ebb979d596b066aee9fa1e68.pdf>