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Nombre del trabajo:

EXAMEN

Materia:

Calculo vectorial

Grado: 3 cuatrimestre

Comitán de Domínguez Chiapas a 09 de agosto de 2020.

$$A(-2, 1) \quad B(-5, 3) \quad C(-3, 5)$$

- graficar en el mismo plano
- determinar las modulos de los vectores AB, BC y CA
- determinar el area
- determinar angulos AB, BC y CA



$$h = \sqrt{a^2 + b^2}$$

$$h = \sqrt{3^2 + 2^2}$$

$$h = \sqrt{9 + 4}$$

$$h = \sqrt{13}$$

$$h = 3.605551275$$

$$h = \sqrt{b^2 + c^2}$$

$$h = \sqrt{2^2 + 2^2}$$

$$h = \sqrt{4 + 4}$$

$$h = \sqrt{8}$$

$$h = 2.828427125$$

$$h = \sqrt{c^2 + a^2}$$

$$h = \sqrt{1^2 + 4^2}$$

$$h = \sqrt{1 + 16}$$

$$h = \sqrt{17}$$

$$h = 4.123105626$$

$$A = \sqrt{s(s-a)(s-b)(s-c)}$$

$$s = \frac{a+b+c}{2}$$

$$s = \frac{3.605551275 + 2.828427125 + 4.123105626}{2}$$

$$s = 5.278542013$$

$$A = 5.0^2$$

$$s = \frac{a+b+c}{2}$$

$$s = \frac{3.605551275 + 2.828427125 + 4.123105626}{2}$$

$$s = 5.278542013$$

$$s = 5.278542013$$

$$\alpha = \arctan \frac{2}{-3}$$

$$\alpha = \arctan -0.666666667$$

$$\alpha = \arctan -33.69006753 + 180$$

$$\alpha = 146.3099325^\circ$$

$$\alpha = \arctan \frac{-1}{4}$$

$$\alpha = \arctan -0.25$$

$$\alpha = \arctan -14.03624347$$

$$\alpha = 165.9637565^\circ$$

$$\alpha = \arctan \frac{-2}{1}$$

$$\alpha = \arctan -1$$

$$\alpha = \arctan -45 + 180$$

$$\alpha = 135^\circ$$

SoSe