

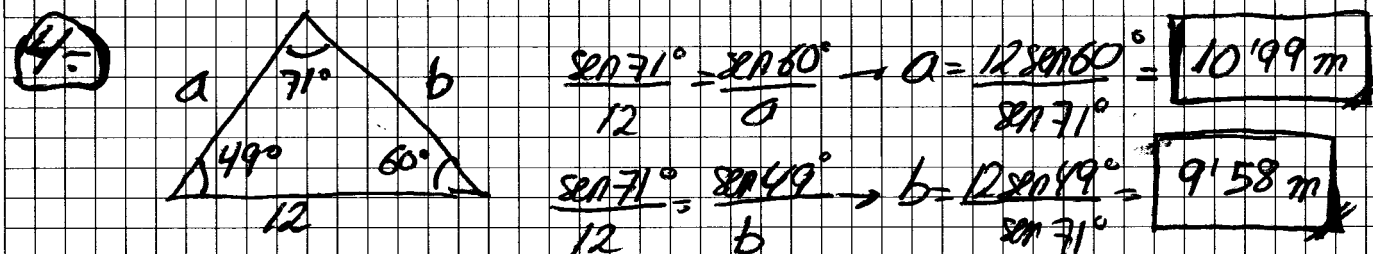
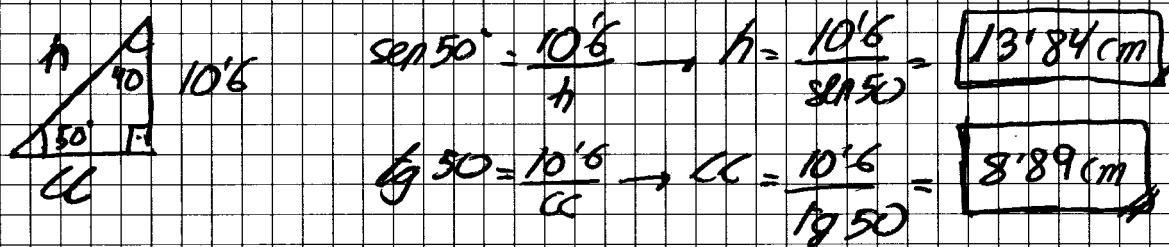
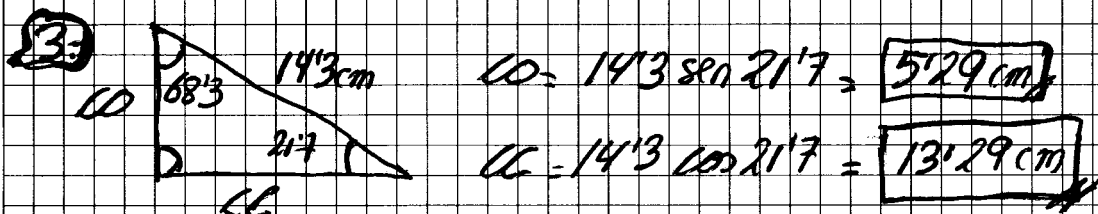
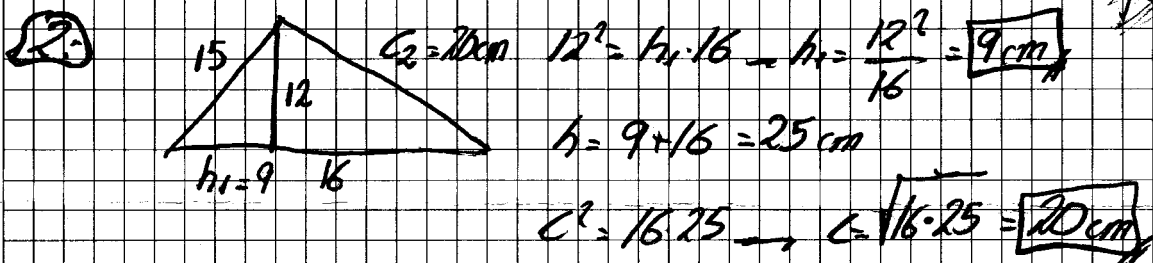
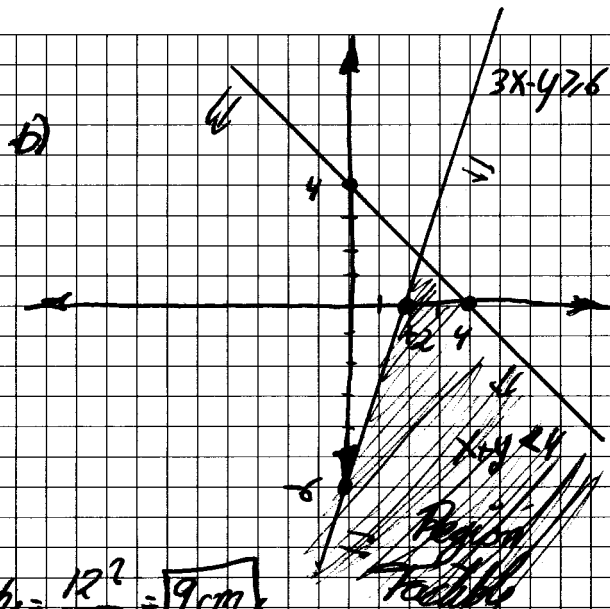
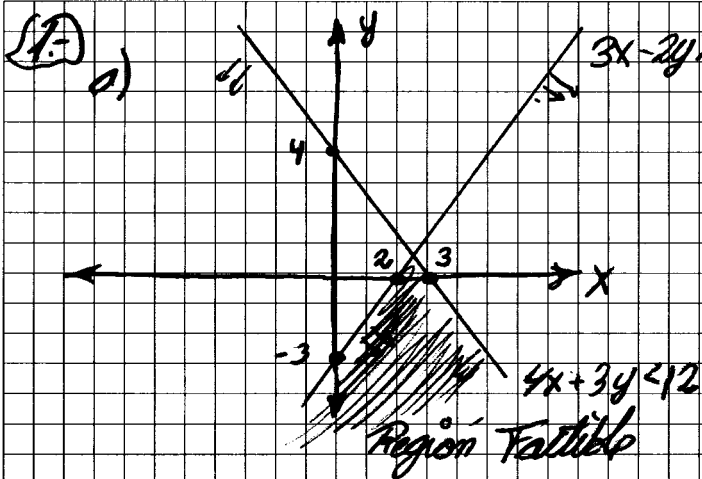


COLEGIO ALMA'S
bilingual school

APELLIDOS Y NOMBRE: Corrección 1er Control

CURSO: 4º FSO N° 2º Evaluación

FECHA: 31-01-2018 ASIGNATURA: Matemáticas





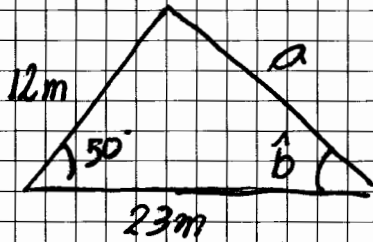
COLEGIO ALMA'S
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APELLIDOS Y NOMBRE:

CURSO: N°

FECHA: ASIGNATURA:

5

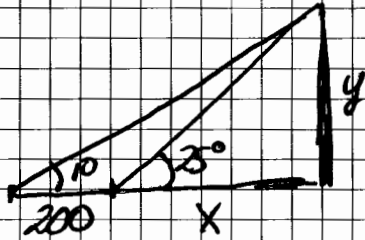


$$a = \sqrt{12^2 + 23^2 - 2 \cdot 12 \cdot 23 \cdot \cos 50^\circ} = \boxed{17.84 \text{ m}}$$

$$\frac{\sin 50^\circ}{17.84} = \frac{\sin \hat{b}}{12} \rightarrow \hat{b} = \arcsin \frac{12 \sin 50^\circ}{17.84}$$

$$\hat{b} = 31^\circ \rightarrow \hat{c} = 180 - 31 - 50 = \boxed{99^\circ}$$

6



$$\text{tg } 25 = \frac{y}{x}$$

$$\text{tg } 10 = \frac{y}{x+200}$$

$$y = x \text{tg } 25$$

$$y = x \text{tg } 10 + 200 \text{tg } 10$$

$$x \text{tg } 25 = x \text{tg } 10 + 200 \text{tg } 10$$

$$x \text{tg } 25 - x \text{tg } 10 = 200 \text{tg } 10$$

$$x = \frac{200 \text{tg } 10}{\text{tg } 25 - \text{tg } 10} \quad \text{distancia inicial}$$

Altura $\rightarrow y = \frac{200 \text{tg } 10 \text{tg } 25}{\text{tg } 25 - \text{tg } 10} = \boxed{56.71 \text{ m}}$