

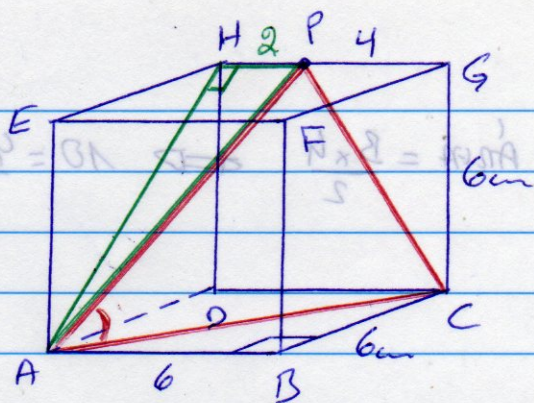
CÁLCULO DE \overline{AP}

$$\overline{AP}^2 = \overline{AH}^2 + \overline{HP}^2$$

$$\overline{AP}^2 = (\sqrt{72})^2 + 2^2$$

$$\overline{AP}^2 = 72 + 4$$

$$\overline{AP} = \sqrt{76} \approx 8,72 \text{ cm}$$



$\overline{AC} = \overline{AH} =$ DIAGONAL DE CARA

$$\overline{AC} = \sqrt{6^2 + 6^2} = \sqrt{72} \approx 8,49 \text{ cm}$$

CÁLCULO DE \overline{PC} :

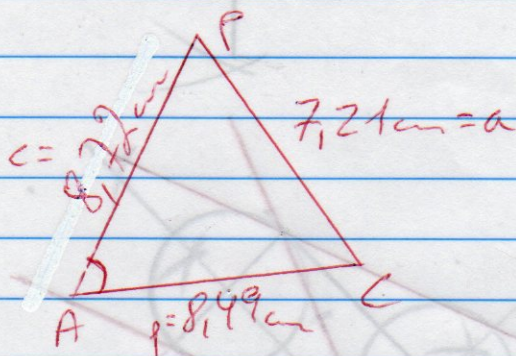
$$\overline{PC}^2 = \overline{PG}^2 + \overline{GC}^2$$

$$\overline{PC}^2 = 4^2 + 6^2$$

$$\overline{PC} = \sqrt{16 + 36}$$

$$\overline{PC} = \sqrt{52} \approx 7,21$$

CÁLCULO DE \hat{PAC}



"TEOREMA DO COSENO"

$$a^2 = p^2 + c^2 - 2pc \cos \hat{A}$$

$$2pc \cos \hat{A} = p^2 + c^2 - a^2$$

$$\cos \hat{A} = \frac{p^2 + c^2 - a^2}{2pc}$$

$$\cos \hat{A} = \frac{8,49^2 + 8,72^2 - 7,21^2}{2 \times 8,49 \times 8,72}$$

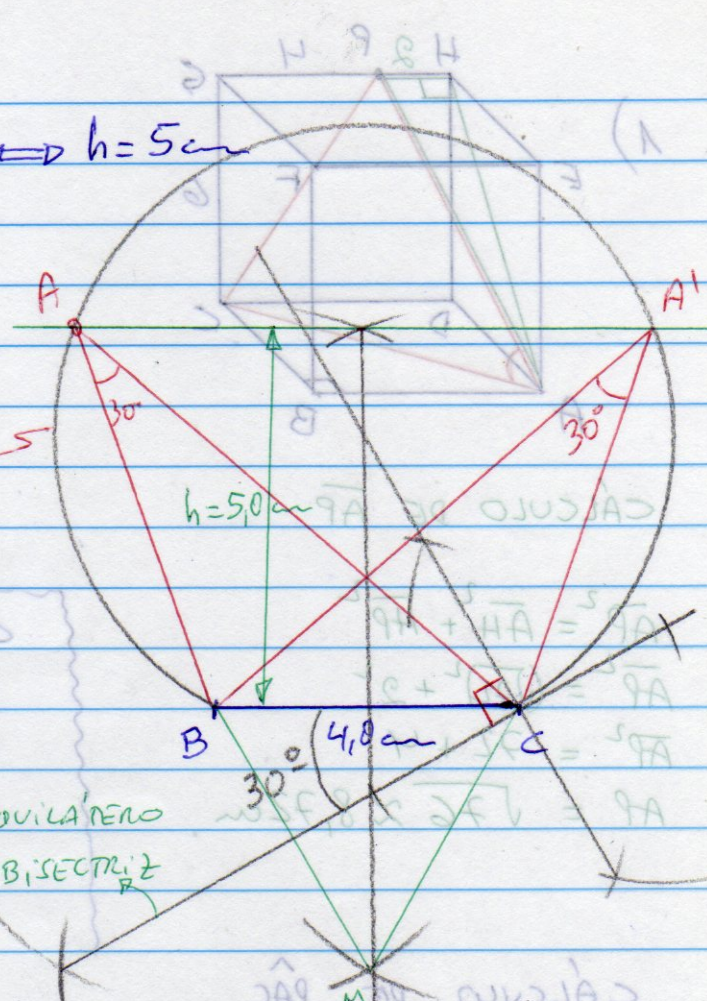
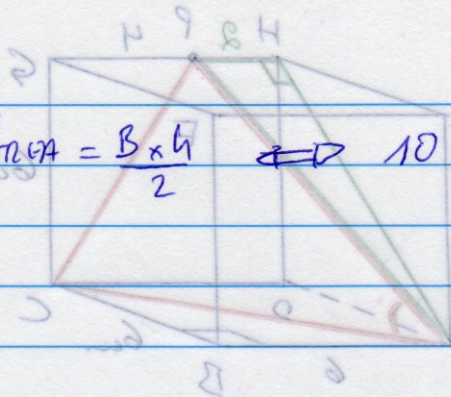
$$\cos \hat{A} = \frac{72 + 76 - 52}{2 \times 8,49 \times 8,72}$$

$$\cos \hat{A} = 0,648361266$$

$$\hat{A} = 49,58183793$$

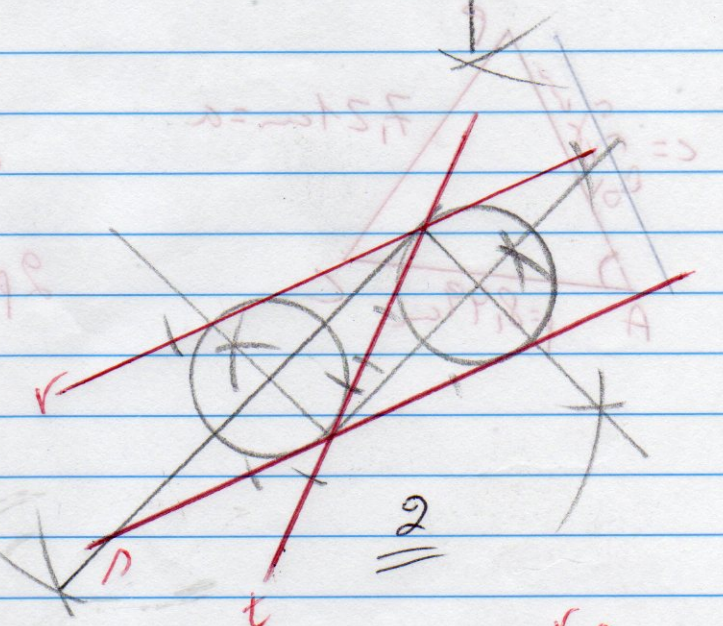
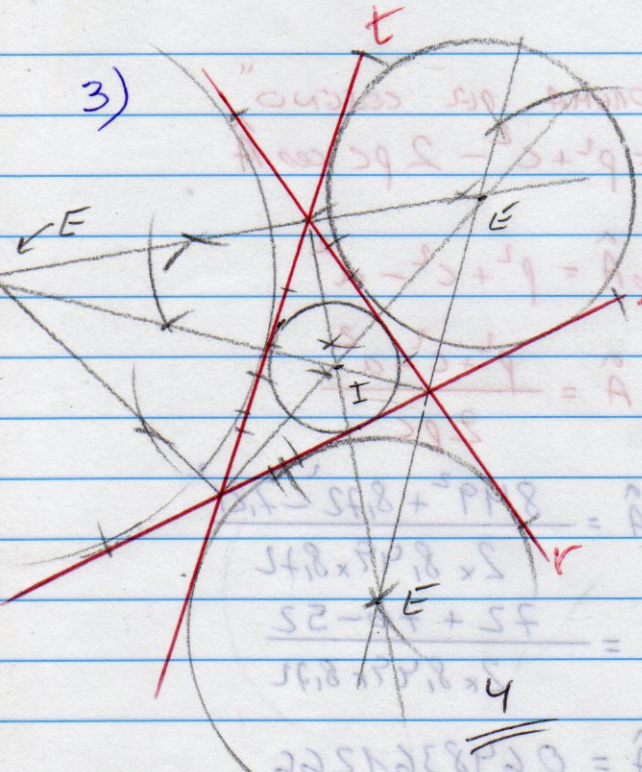
$$\hat{A} = 49^\circ 35'$$

2) $\text{ÁREA} = \frac{B \times h}{2} \iff 10 = \frac{4 \times h}{2} \iff h = 5 \text{ cm}$



ARCO CAPAZ
 DE SEGMENTO
 $= 4 \text{ cm}$
 ANGULO $A = 30^\circ$
 $\triangle BCP$ EQUILÁTERO
 BISECTRIZ

3)



$\frac{52 - 18 \times 4}{52 - 18 \times 4} = \hat{A}_w$

TRAZAMOS BISECTRIZES
 $\implies I = \text{INCENTRO}$
 $E = \text{EXINCENTRO}$

NINGUNA