## Trabajo Heuristico #3

Asigna tura: Geometria - Trigonometria

Tema: Aplicaciones sobre la trigonometria de

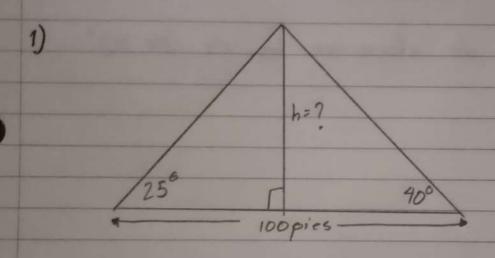
triangulos rectangulos

Dia y fecha: 05/09/2023 - Martes

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Victor Guevara



1) 
$$25^{\circ}$$
 2)  $40^{\circ}$   
 $tan(25) = h$   $tan(40^{\circ}) = h$   
 $x$  (100-x)

 $h = x + \tan (25^\circ)$  R = El helicoptero esta a una altura  $h = (100 - x) + \tan (40^\circ)$   $h = (25^\circ) = (100 - x) + 0.8391$ 0.4663x= 83.91 - 0.8391x

0.4663x + 0.8391x = 83.91

1.3054x = 83.91

x = 83.91/1.3054

X = 64.29 pies h = 29.93 pies h = 64.29 \* 0.4663

alt. 0jos = 6 pies alt. 0ro = 10 pies dist. horizontal = 13 pies

10-6 = 4 = altura

 $\frac{4}{15} = tan^{-1}\left(\frac{4}{15}\right) = 14.93^{\circ}$ 

El ángulo de elevacion es de 14.93°