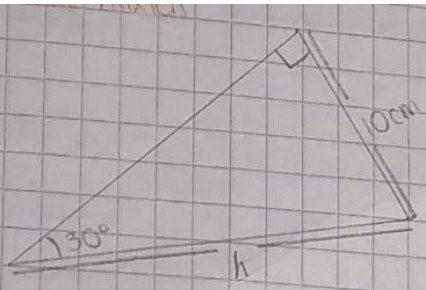
①

$\text{sen}(30°) = \frac{10\text{cm}}{h}$

$h = \frac{10}{\text{sen}(30°)}$

$h = 20\text{ cm}$

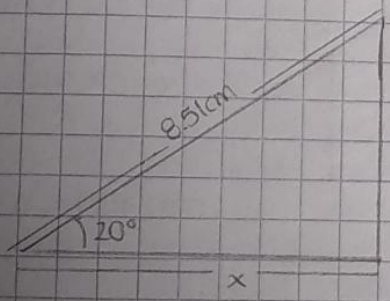


②

$\cos(20°) = \frac{x}{8.51\text{cm}}$

$x = 8.51 \cdot \cos(20°)$

$x = 7.99\text{ cm}$

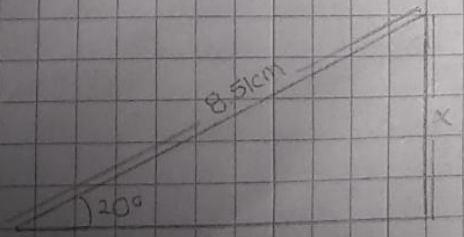


③

$\text{sen}(20°) = \frac{x}{8.51}$

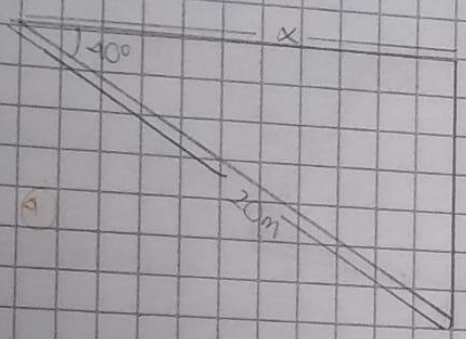
$x = 8.51 \cdot \text{sen}(20°)$

$x = 2.91\text{cm}$



DD MM AA

a)

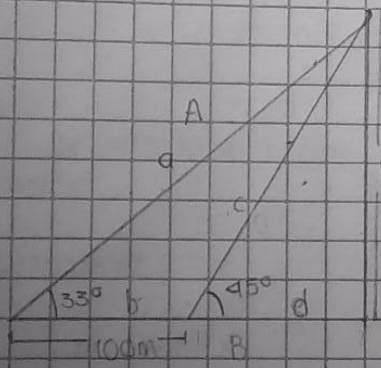


$\cos(40°) = \frac{x}{20}$

$x = 20 \cdot \cos(40°)$

$x = 15.32$

b)



$\tan(33°) = \frac{c}{100}$

$c = 100 \cdot \tan(33°)$

$c = 64.94$

$\cos(45°) = \frac{d}{64.94}$

$d = \cos(45°) \cdot 64.94$

$d = 45.91$

$\sin(33°) = \frac{145}{h}$

$h = \frac{145}{\sin(33°)}$

$h = 185m$