Vector 1 = 285 km (cos(190°) + sen(190°))

Vector 1 = (-218.32 , + 183.19) km

Vector 2 = 115 km (cos(0°) + sen(0°))

Vector 2 = 115 km

+ 333.32 + 183.19 = Vector final

$|VF| = \sqrt{(333.32)^2 + (183.19)^2} = 380.54$ km
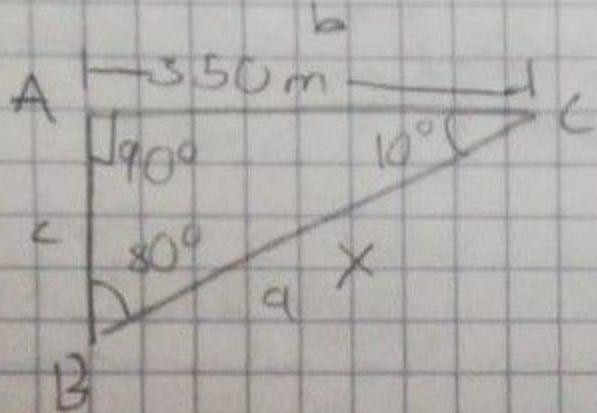
$a = tg^{-1}(183.19 / 333.32) =$

$a = 28.79°$

R/ = 380 km

28.8° sur este

Pelota

$$b^2 = b_0^2 - 2g(y - y_0)$$

A $\longleftarrow$ 350 m $\longrightarrow$ b C

90° 10°

c 80° X

a

B

$$\frac{a}{Sen\,A} = \frac{b}{Sen\,B}$$

$$\frac{X}{Sen\,90} = \frac{350}{Sen\,80}$$

$$X = \frac{350 \cdot Sen\,90}{Sen\,80} = \frac{350}{0.98} = 357.14$$

a/ $Va = 357.14\,m / 35\,m/s = 10.2$

b/ $Vb = 350\,m / 30\,m/s = 11.6$