

Javier Meryor
202400081

HT # 3

Fisica Bayma
C-

Problema # 1

1) $\vec{A} = 8.00\text{m}; 270^\circ$

$A_x = -8.00 \cos 270 = 7.88$

$A_y = -8.00 \sin 270 = 1.41$

$\vec{C} = 12.0\text{m}; 25^\circ$

$C_x = -12 \cos 25^\circ = -11.89$

$C_y = -12 \sin 25^\circ = -7.59$

$\vec{B} = 15.0; 60^\circ$

$B_x = -15 \cos 60^\circ = 14.29$

$B_y = 15 \sin 60^\circ = 4.57$

$\vec{D} = 10.0; 53^\circ$

$D_x = 10 \cos 53^\circ = -9.18$

$D_y = 10 \sin 53^\circ = 3.96$

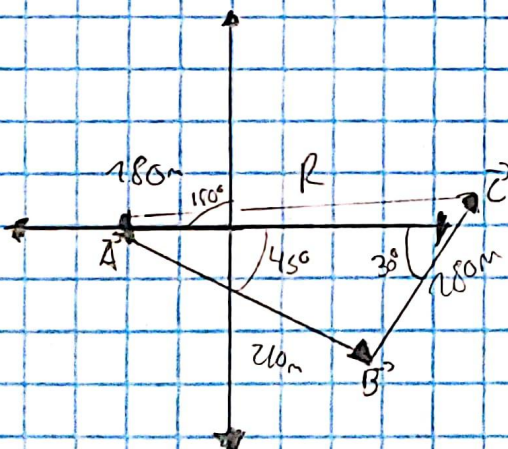
$A_x = 7.88 \quad B_x = 14.29$

$A_y = 1.41 \quad B_y = 4.57$

$C_x = -11.89 \quad D_x = -9.18$

$C_y = -7.59 \quad D_y = 3.96$

Problema # 2



$\vec{A} = (-180\hat{x})\text{m}$

$\vec{B} = 210 \sin 45^\circ \hat{x} + 210 \cos 45^\circ \hat{y}$
 $(-178.69\hat{x} + 170.32\hat{y})$

$\vec{C} = 280 \sin 30^\circ \hat{x} + 280 \cos 30^\circ \hat{y}$
 $(-276.65\hat{x} + 43.79\hat{y})$

$\vec{R} = (-26.49\hat{x} - 455.34\hat{y})$

x	y
-180	0
170.32	-178.69
43.79	-276.65
-26.49	-455.34

Problema #3

