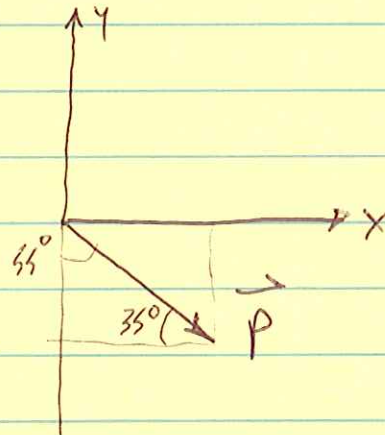
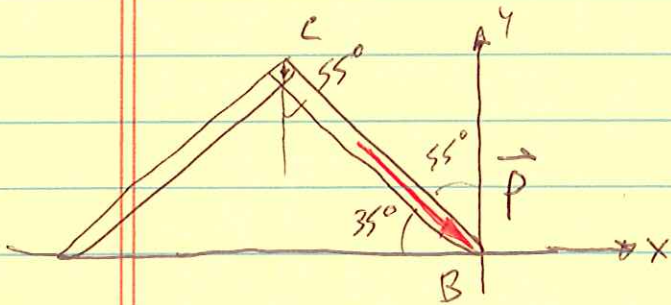


PROB. 2.25



$$\theta = 270 + 55 = 325^\circ$$

$$P_x = \cancel{1200} 1200^N$$

$$P_x = P \cdot \cos \theta, \quad P = \frac{P_x}{\cos \theta} = \frac{1200^N}{\cos 325^\circ} = 1465^N$$

$$P_y = P \sin \theta = (1465) \sin 325^\circ = -840^N$$