

4.3

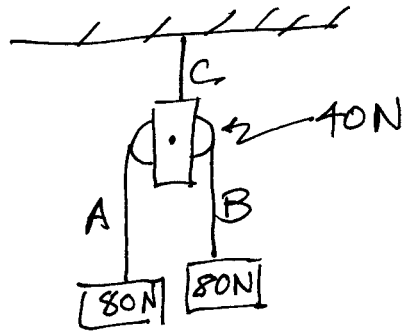


$$3W = 24$$

$$W = 8\text{ N}$$

$A = 8\text{ N}$
$B = 16\text{ N}$

4.4

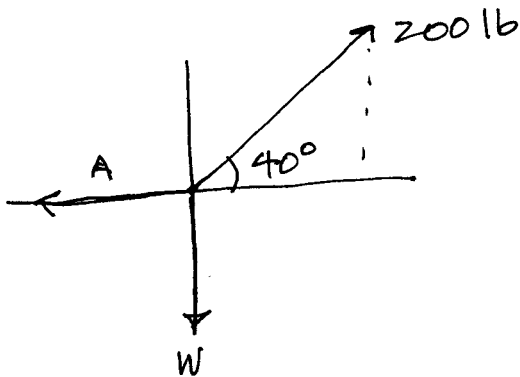


$A = 80\text{ N}$
$B = 80\text{ N}$

$$C = 40 + 80 + 80$$

$$= 200\text{ N}$$

4.6



$$\sum F_y = 0 \Rightarrow 200 \sin 40^\circ - W = 0$$

$$W = 200 \sin 40^\circ$$

$W = 129\text{ lb}$
---------------------