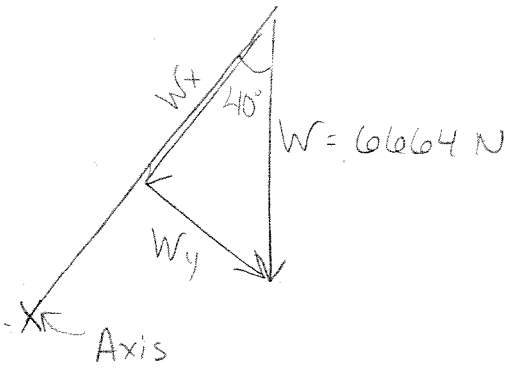
P #A

Ch 8 - Worksheet

$W = m \cdot g = (680\ kg)(9.8\ m/s^2)$
$= 6664\ N$

$r = 18.0\ m$

$\theta = 40°$



Resolve W into components:

W_x is parallel and not needed

$W_y = W \cdot \sin\theta$
$= (6664\ N) \cdot \sin 40°$
$= 4284\ N$

Find τ:

$\tau = F \cdot r$

$= (4284\ N)(18\ m)$

$\boxed{\tau = 77{,}100\ N \cdot m}$