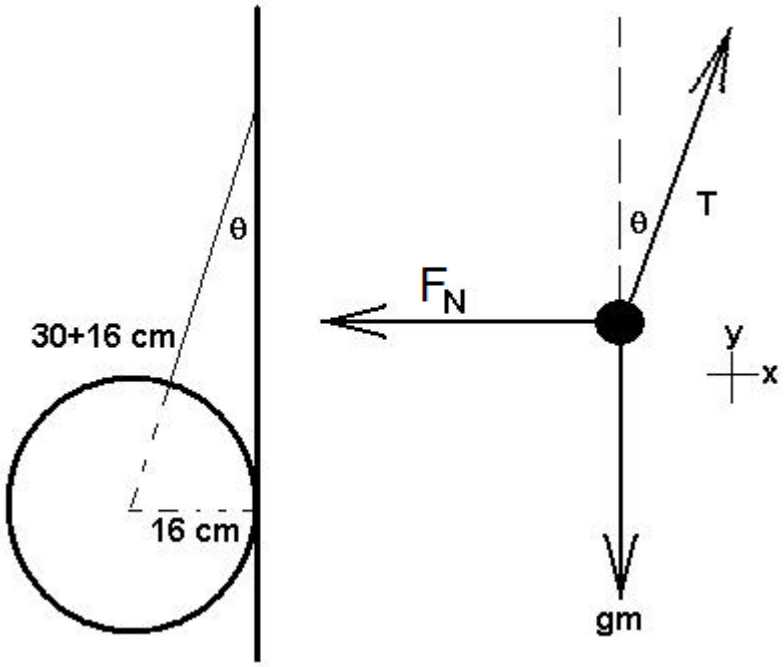
4-4)

First, find the angle the wire makes with the wall.

From the left figure, $\sin\theta = 16/46 \Rightarrow \theta = 20.4^o$



Now, use NII in each direction:

y: $\Sigma_n F_{ny} = ma_y$
$T\cos\theta - gm = ma_y = 0$ (ball is at rest)
$T\cos\theta = gm$
$T = gm/\cos\theta = 9.8*45/\cos(20.4) =$ 470 N

x: $\Sigma_n F_{nx} = ma_x$
$T\sin\theta - F_N = ma_x = 0$ (ball is at rest)
$F_N = T\sin\theta = 470*\sin(20.4) =$ 164 N