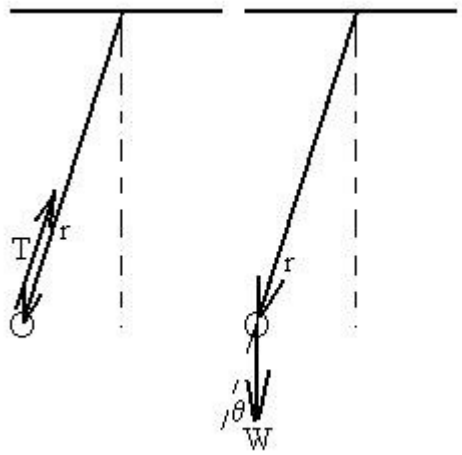
HW 9-3 Soln)

There are two forces acting on the bob: tension and weight.
In general, $\tau = rF\sin\theta_{r,F}$ (RHR)




$\Sigma\,\tau = LT\sin180^o + L(mg)\sin\theta = 0 + 1.2\times2\times10\times\sin6^o =$ 2.51 Nm - Use RHR to find direction, out of the page .

If you drew your bob on the right, then the direction will be into the page.