HW 9-3 Soln)

There are two forces acting on the bob: tension and weight.   
In general,  = rFsinr,F (RHR)   
  
Σ = LTsin180o + L(mg)sin = 0 + 1.2×2×10×sin6o = 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.