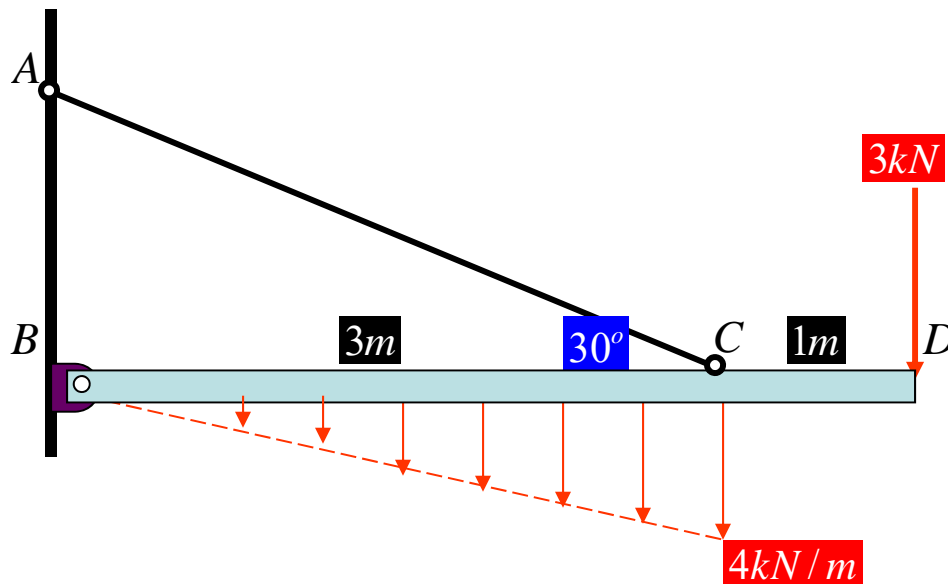**Quiz #4**

Name:_____

A rigid and slender straight bar is pin-supported at B and held at the horizontal position by the cable AC. For the loading shown **find the support reaction forces at B and the internal tension force in cable AC**. Ignore the size of the support and the gravity.

Your solution should include a **free-body diagram** (5pts), necessary **static equilibrium equations** (9pts), and the **solution** (6pts).

(Hint: You may replace the distributive loading by its statically equivalent counterpart first).