MEEG 3013 Quiz #9.m37.101

1. (8) A beam with constant flexural rigidity EI is supported and loaded as shown. Using moment-area theo**rems**, determine for this 2. 2 Define for a force (a)beam (a) the slope θ_C at C, the moment center, (b) the (b) the deflection y_c at C. | moment arm.





2. (a) The moment center is the *point* about which the moment of the force is computed. (1) (b) The moment arm is the shortest dis*tance* from the moment center to the line of action of the force. ①