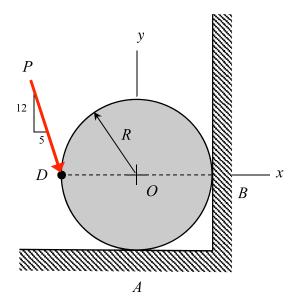
Homework H6.A

Given: A force *P* acts on the perimeter of a circular disk.

Find: For this problem:

- a) Determine the moment of P about point A.
- b) Determine the moment of *P* about point B.
- c) Determine the moment of P about point O.

Express your answers as vectors in terms of P and R.



Homework H6.B

Given: Cables BC and AD carry tensions of *T*, and 2*T*, respectively.

Find: For this problem:

- a) Determine the moment about point O due to the force of cable CB on the boom.
- b) Determine the moment about point O due to the force of cable DA on the boom.

Use θ = 70° and ϕ = 30°. Express your answers as vectors in terms of T and d.

