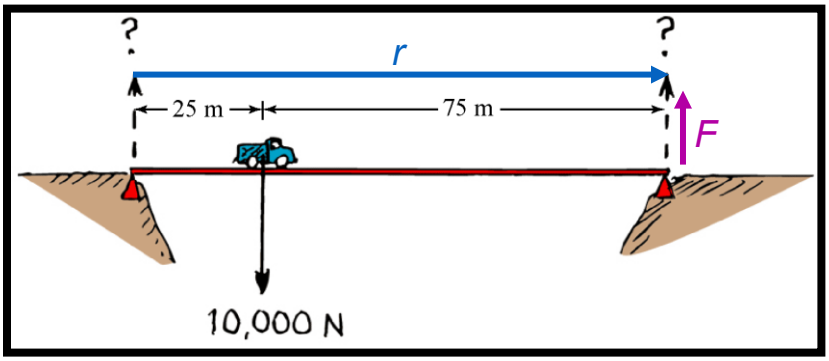
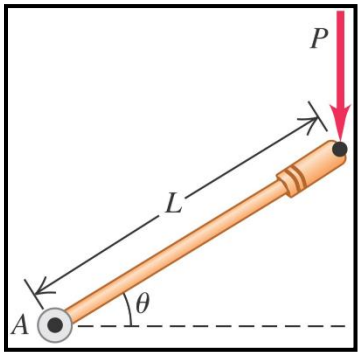
PHYS 1110 Worksheet: Torque

1. What additional upward force must the post at the right of the bridge span exert to support its share of the weight of the truck?



2. Find the magnitude and direction of the torque created by force P about axis A.



A. Formula:

B. Let's say $P = 50$ N, $L = 0.60$ m, and $\theta = 36.9°$ ($\sin\theta = 0.6$; $\cos\theta = 0.8$).