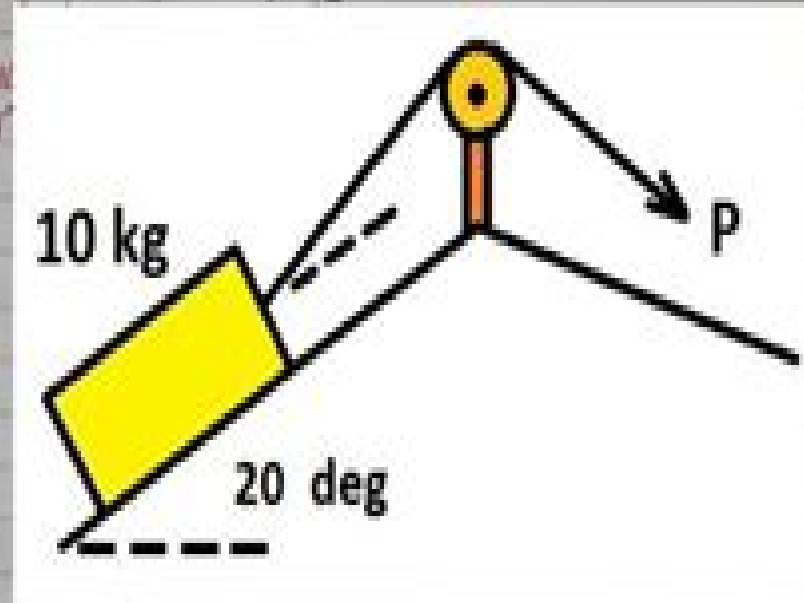


Oh LORD! Whatever I do, is by Your Almighty Power

# Friction | Problem 3

Q.3) Determine whether the 10 kg block shown is in equilibrium and find the magnitude and direction of the friction force when  $P = 75 \text{ N}$  and  $\theta = 15^\circ$ .  
Take  $\mu_s = 0.25$  &  $\mu_k = 0.30$



3)  $F_{fr}$ ,  $F_{fr} = 45 \text{ N}$   
 $= 0.30 \times 76$

# Problems Of Friction In Mechanics

**Minjie Lin**



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