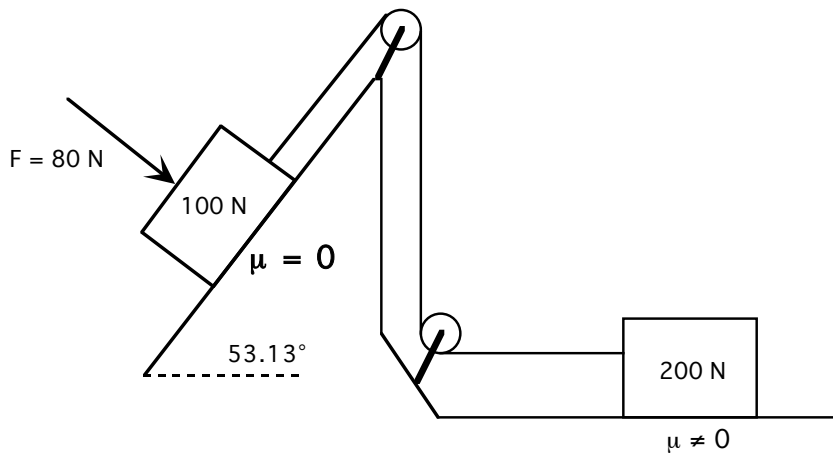
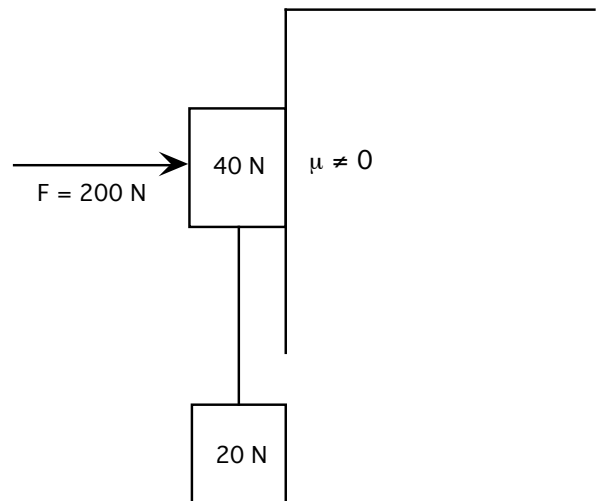
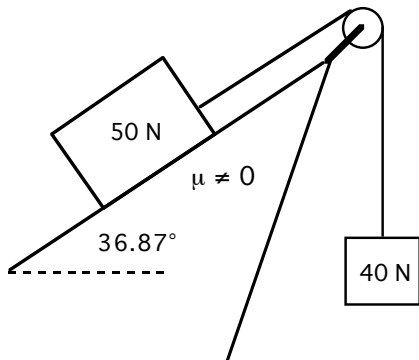
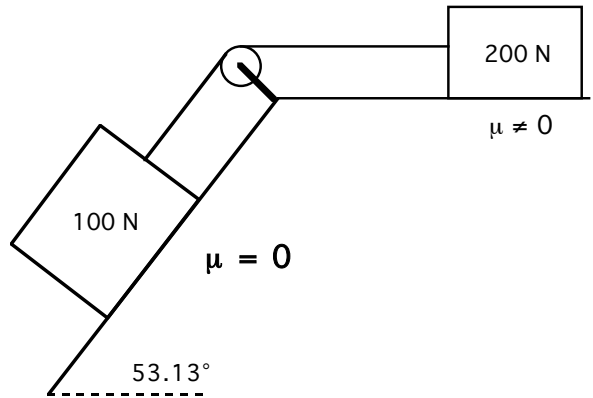
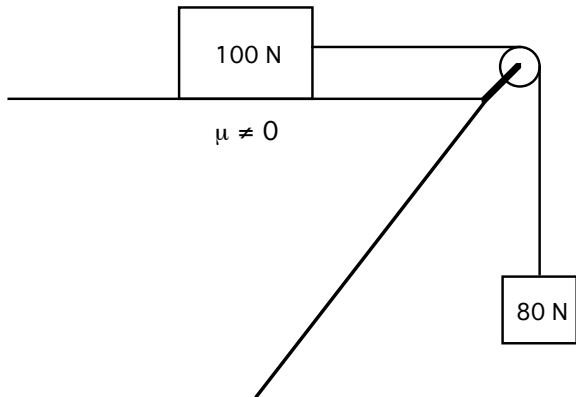


W3.13H

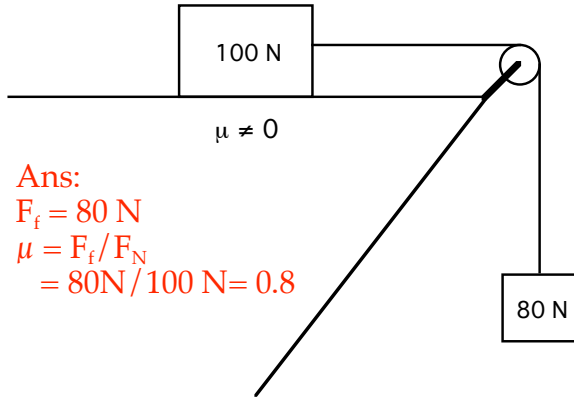
Static Equilibrium ( $\Sigma F = 0$ ) with Friction ( $\mu \neq 0$ )

Find the frictional forces and the smallest  $\mu$ 's

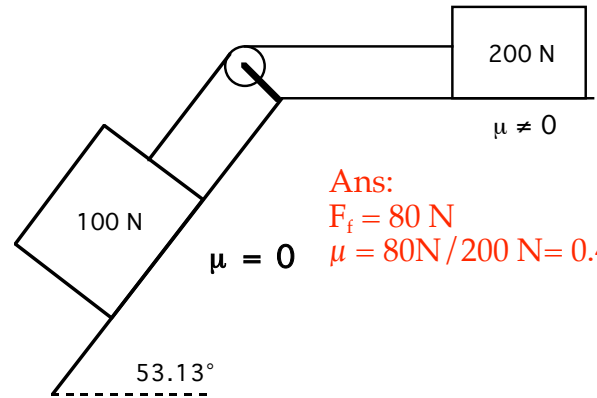


W3.13H

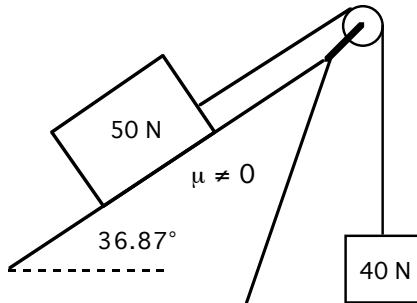
Static Equilibrium ( $\Sigma F = 0$ ) with Friction ( $\mu \neq 0$ ) **KEY**  
Find the frictional forces and the smallest  $\mu$ 's



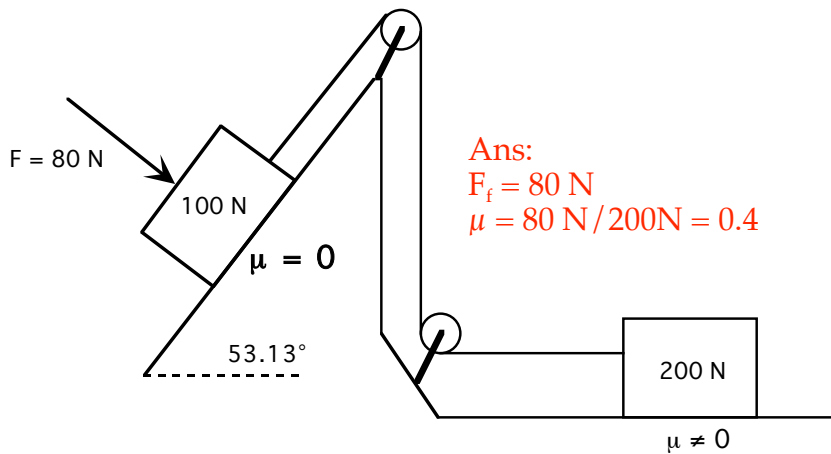
Ans:  
 $F_f = 80 \text{ N}$   
 $\mu = F_f / F_N$   
 $= 80 \text{ N} / 100 \text{ N} = 0.8$



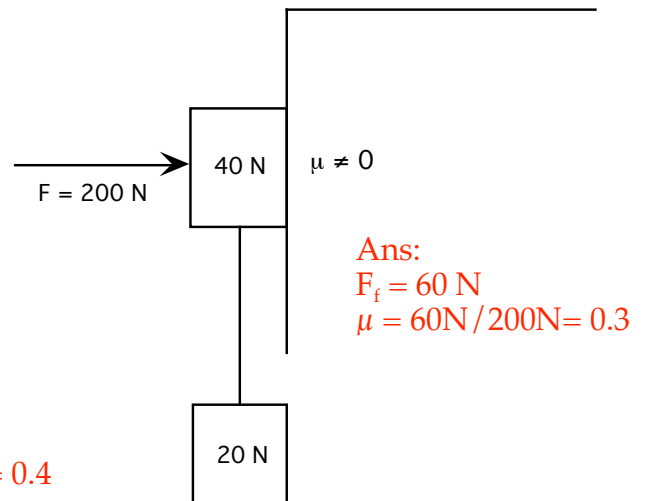
Ans:  
 $F_f = 80 \text{ N}$   
 $\mu = 80 \text{ N} / 200 \text{ N} = 0.4$



Ans:  
 $F_f = 10 \text{ N}$   
 $\mu = 10 \text{ N} / 40 \text{ N} = 0.25$



Ans:  
 $F_f = 80 \text{ N}$   
 $\mu = 80 \text{ N} / 200 \text{ N} = 0.4$



Ans:  
 $F_f = 60 \text{ N}$   
 $\mu = 60 \text{ N} / 200 \text{ N} = 0.3$