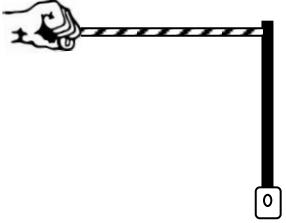
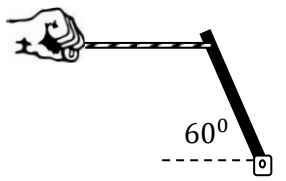

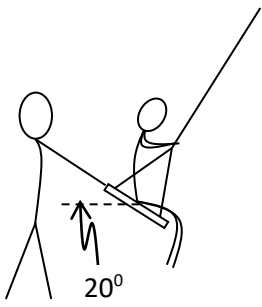
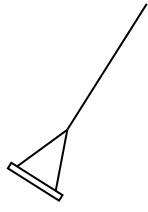
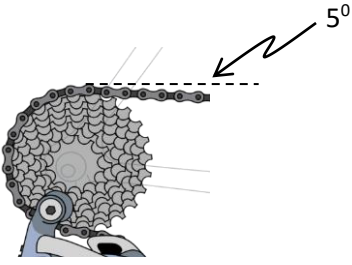
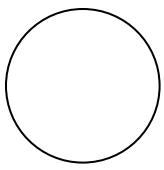
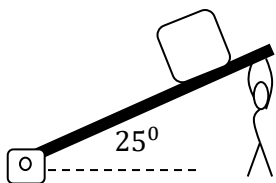


UNIT V: Worksheet 1

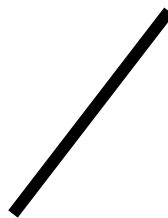
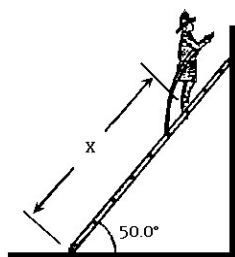
For problems 1-6 draw a force diagram and place an open circle around the pivot point. Determine and show all relevant angles between the forces and the pivoting object.

1.		
2.		
3.		
4.		

5.

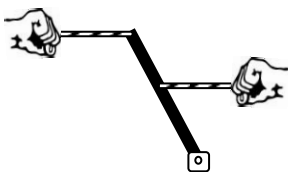


6.



7. For each of the following diagrams, state if the rod will rotate positively or negatively and explain your answer. Each hand pulls with equal force.

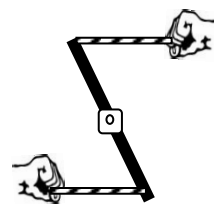
a.



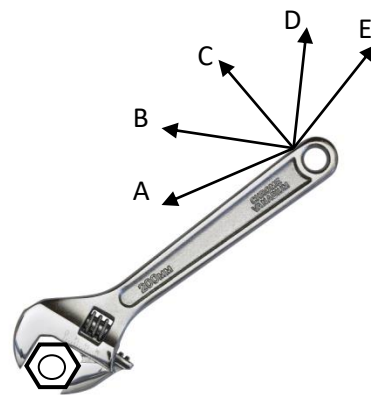
b.



c.



8. Explain which way you should pull on the wrench to create maximum torque.



9. Where should the door handle be placed in order to make it easiest to open and close the door? Explain.

