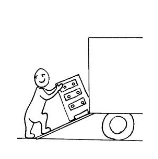
Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

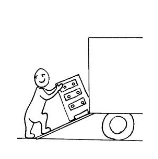
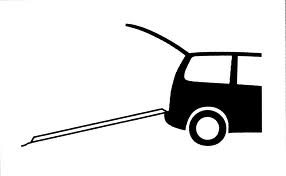
**Inclined Plane and Wedges Review**

arrow tip  INCLINED PLANE or WEDGE or NEITHER

ramp  INCLINED PLANE or WEDGE or NEITHER

a table[](http://www.google.com/imgres?q=table&um=1&hl=en&safe=active&sa=N&biw=984&bih=537&tbm=isch&tbnid=KRAw7r20NIeRzM:&imgrefurl=http://www.ikea.com/us/en/catalog/products/80104268/&docid=DOGVaRq5dYj3uM&imgurl=http://www.ikea.com/us/en/images/products/lack-side-table__57544_PE163126_S4.jpg&w=500&h=500&ei=CrV2UIqcDIe88ASb4IHgAw&zoom=1&iact=hc&vpx=716&vpy=180&dur=630&hovh=225&hovw=225&tx=194&ty=175&sig=103482478614889157742&page=1&tbnh=142&tbnw=168&start=0&ndsp=12&ved=1t:429,r:7,s:0,i:92) INCLINED PLANE or WEDGE or NEITHER

2. **Circle** examples of Inclined Planes and Wedges. (5 pts)

 [](http://www.google.com/imgres?q=chisel&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=s6I1tezFhDDv4M:&imgrefurl=http://www.vectorart.com/store/index.cfm?q=chisel&docid=DClK0GHtX5h5jM&imgurl=http://www.vectorart.com/webart/products/33641L.GIF&w=131&h=108&ei=Z7d2UKT8IILm8QTtooHICQ&zoom=1&iact=hc&vpx=248&vpy=236&dur=2754&hovh=86&hovw=104&tx=99&ty=48&sig=103482478614889157742&page=1&tbnh=86&tbnw=104&start=0&ndsp=10&ved=1t:429,r:6,s:0,i:90)[](http://www.google.com/imgres?q=ramp&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=mxDh30_KJFoQXM:&imgrefurl=http://www.rapidrampsystems.co.uk/WorkingItOut.aspx&docid=LMDu_Eu0e3Tz_M&imgurl=http://www.rapidrampsystems.co.uk/images/Content/WorkinItOut/symbol2.png&w=2049&h=1263&ei=ird2UM_wCIGc8QSKlYCQAw&zoom=1&iact=hc&vpx=96&vpy=230&dur=446&hovh=176&hovw=286&tx=199&ty=149&sig=103482478614889157742&page=3&tbnh=124&tbnw=202&start=24&ndsp=17&ved=1t:429,r:4,s:20,i:147)[](http://www.google.com/imgres?q=nail&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=NNTkHA6_HXnCDM:&imgrefurl=http://dir.coolclips.com/Industry/Trades/Tools_A_to_P/Nails_and_Screws/Vector/&docid=b0ZLSNAb01ImRM&imgurl=http://clipart.coolclips.com/100/wjm/tf05049/CoolClips_indu0531.jpg&w=100&h=103&ei=o7d2UMbYMpG89QTmzoDoBA&zoom=1&iact=hc&vpx=474&vpy=248&dur=419&hovh=82&hovw=80&tx=97&ty=52&sig=103482478614889157742&page=4&tbnh=82&tbnw=80&start=54&ndsp=17&ved=1t:429,r:36,s:20,i:249) [](http://www.google.com/imgres?q=computer&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=yk5S5gQjmUAEyM:&imgrefurl=http://www.clipsahoy.com/webgraphics4/as5551.htm&docid=H6ART6OTdFHYLM&imgurl=http://www.clipsahoy.com/clipart3/as5551.gif&w=250&h=231&ei=yrd2UM6DG4z29gTCnYCgCw&zoom=1&iact=hc&vpx=741&vpy=128&dur=410&hovh=184&hovw=200&tx=133&ty=132&sig=103482478614889157742&page=2&tbnh=142&tbnw=154&start=10&ndsp=21&ved=1t:429,r:14,s:0,i:114)[](http://www.google.com/imgres?q=chair&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=pXiJM3hPJshzzM:&imgrefurl=http://en.clipart-fr.com/search_clipart.php?keyword=chair&page=5&docid=zrGQG23beO9KnM&imgurl=http://en.clipart-fr.com/data/clipart/house/furniture_207.jpg&w=400&h=400&ei=2Ld2UOS8BZGs8QTkvICoCw&zoom=1&iact=hc&vpx=390&vpy=39&dur=352&hovh=225&hovw=225&tx=112&ty=139&sig=103482478614889157742&page=2&tbnh=138&tbnw=128&start=12&ndsp=24&ved=1t:429,r:0,s:20,i:135)

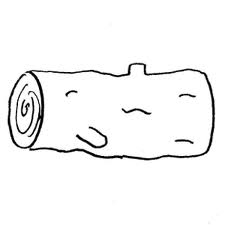
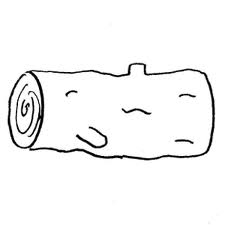
3. **Circle** the inclined plane that makes this job the EASIEST (1 pt)

[](http://www.google.com/imgres?q=wheelchair&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=sds_fhsGsxMnsM:&imgrefurl=http://www.clker.com/clipart-10835.html&docid=7la8RJvwVwif6M&imgurl=http://www.clker.com/cliparts/4/7/0/1/11954321481710250442Wice_Wheelchair.svg.hi.png&w=576&h=596&ei=mbZ2UM_iH4yQ8wTbyoHoDA&zoom=1&iact=hc&vpx=98&vpy=179&dur=644&hovh=228&hovw=221&tx=77&ty=152&sig=103482478614889157742&page=2&tbnh=145&tbnw=141&start=12&ndsp=23&ved=1t:429,r:12,s:0,i:114) [](http://www.google.com/imgres?q=wheelchair&um=1&hl=en&safe=active&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=sds_fhsGsxMnsM:&imgrefurl=http://www.clker.com/clipart-10835.html&docid=7la8RJvwVwif6M&imgurl=http://www.clker.com/cliparts/4/7/0/1/11954321481710250442Wice_Wheelchair.svg.hi.png&w=576&h=596&ei=mbZ2UM_iH4yQ8wTbyoHoDA&zoom=1&iact=hc&vpx=98&vpy=179&dur=644&hovh=228&hovw=221&tx=77&ty=152&sig=103482478614889157742&page=2&tbnh=145&tbnw=141&start=12&ndsp=23&ved=1t:429,r:12,s:0,i:114)

4. **Explain** **WHY**. Make sure to include **force**, **load**, **distance**, and **work**. (3 pts)

The inclined plane with the longer **distance** will help the person in the wheelchair use less **force**. The **load** is the person in the wheelchair and the **work** is getting to the top of the ramp.

5. **Circle** the WEDGE will make this job the EASIEST.

[](http://www.google.com/imgres?q=log&um=1&hl=en&safe=active&sa=X&biw=984&bih=537&tbs=itp:clipart&tbm=isch&tbnid=w7qd6iTLzj21pM:&imgrefurl=http://log.atodev3.com/&docid=UVn9GE27HOv8EM&imgurl=http://log.atodev3.com/wp-content/uploads/2012/07/log.gif&w=300&h=300&ei=QbZ2UI_kL5SI9gTfp4GADA&zoom=1&iact=hc&vpx=85&vpy=166&dur=837&hovh=225&hovw=225&tx=136&ty=107&sig=103482478614889157742&page=1&tbnh=126&tbnw=118&start=0&ndsp=8&ved=1t:429,r:0,s:0,i:72)

6. **Explain** **WHY**. Make sure to include **force**, **work**, **load** and **distance**.

The **distance** of the wedge helps make the **work** easier. It helps us use less **force** to split the **load**.