

- d. Suppose that your lift is broke, but you still need to get the car $\Delta y = 2m$ into the air to work on it. You decide to use a ramp inclined at an angle of $\theta = 20^\circ$ measured with respect to the ground. If the ramp is frictionless and you push the car up the ramp at a constant speed, how much work do you do to get the car to the top of the ramp a height $\Delta y = 2m$ above the ground?
- e. Comparing your answers to parts c and d, you should find that the work done in either case is the same. In this case, what is the point of using the ramp as opposed to simply “picking” the object up vertically?