2-25. A block of mass $m = 1.62$ kg slides down a frictionless incline (Figure 2-A). The block is released a height $h = 3.91$ m above the bottom of the loop.

(a) What is the force of the inclined track on the block at the bottom (point A)?

(b) What is the force of the track on the block at point B?

(c) At what speed does the block leave the track?

(d) How far away from point A does the block land on level ground?

(e) Sketch the potential energy $U(x)$ of the block. Indicate the total energy on the sketch.