Problem statement At time t = 0, Irwin fires a rubber band at a spider on the ceiling. At time t = 3 the rubber band hits the spider and then the rubber band falls. Suppose s(t) represents the height of the rubber band above the floor at time t.

- a) Which is larger, s(1) or s(2)?
- b) Which is larger, s'(1) or s'(2)?
- c) Sketch possible graphs of s and s' for $0 \leq t \leq 4.$