In a moment of boredom, I buy a Samick Sage Takedown bow on Amazon (#1 best seller), and I fire an arrow straight up (this is a bad idea, don't do this). At the instant the arrow leaves the bow, it is traveling 125mph.

Which statement is most accurate?

(a) After 1 hour, the arrow will be 125 miles up.

(b) After .1 hours, the arrow will be .1×125 = 12.5 miles up.

(c) After .00001 hours (about .03 seconds), the arrow will be 0.0001×125 = .00125 miles up (about 6 feet).

(d) In any single instant, the arrow is in only one place, so it is not moving. So in 1 hour, it will still be in the same place.