In a moment of boredom, I buy a Samick Sage Takedown bow on Amazon ( $\# 1$ best seller), and $\mathbf{I}$ 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 $\mathbf{1 2 5 m p h}$.

Which statement is most accurate?
(a) After 1 hour, the arrow will be $\mathbf{1 2 5}$ miles up.
(b) After. $\mathbf{1}$ hours, the arrow will be $.1 \times 125=\mathbf{1 2 . 5}$ miles up.
(c) After .00001 hours (about .03 seconds), the arrow will be $00001 \times 125=.00125$ 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.

