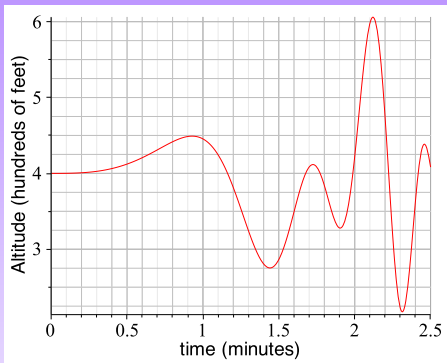


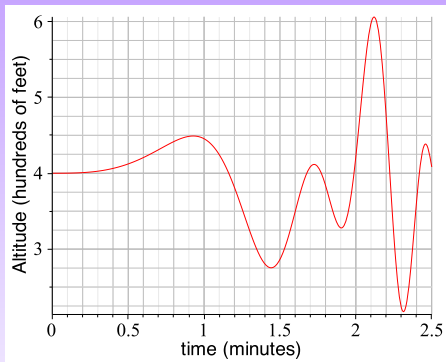
In Class Work

The graph of the altitude $A(t)$ of a hot air balloon after t minutes.

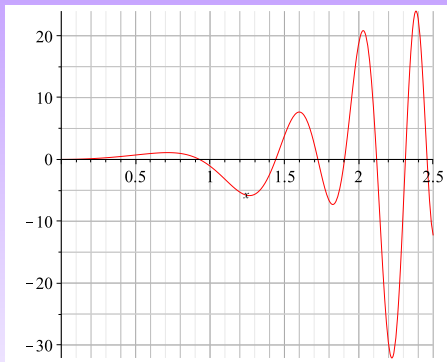


1. Is the balloon rising or falling at time $t=2.4$? $t=1.2$?
2. When is the balloon rising? falling?
3. When is the altitude function $A(t)$ increasing? Decreasing?
4. Let $V(t)$ denote the balloons upward velocity at time t . When is V positive? negative? zero?

Using graph of altitude to understand graph of upward velocity



Graph of Altitude, $A(t)$



Graph of Upward Velocity, $V(t)$

▶ Open WeBWork:

- ▶ If you're enrolled in the class, go to OnCourse, and click on WeBWork.
- ▶ If you're not yet enrolled, type in

`http://webwork.wheatoncollege.edu/webwork2/
MATH-101-A02-201210`

▶ Log in

- ▶ If you're already registered for the class, use your Wheaton ID as both username and password, using a lowercase 'w' in both.
 - ▶ If you're not already registered, try using *guest* as both your username and password. (I'm not sure how well this will work.)
- ▶ Call me over if you're having trouble logging on.