In Class Work
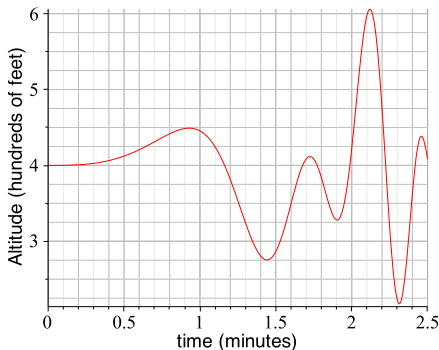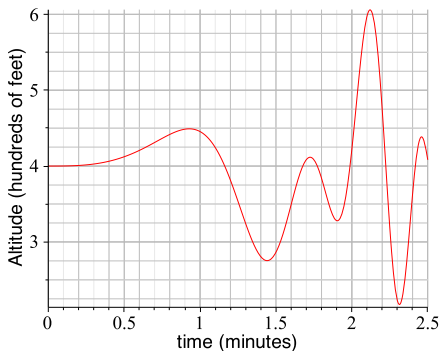
The graph of the altitude $A(t)$ of a hot air ballon after t minutes.

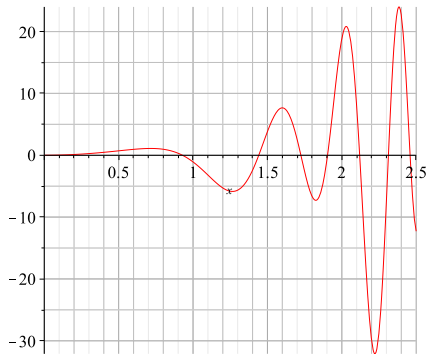
1. Is the balloon rising or falling at time t=2.4? t=1.2?
2. When is the balloon rising? falling?
3. When is the altitude function $A(t)$ increasing? Decreasing?
4. Let $V(t)$ denote the ballons upward velocity at time t. When is V positive? negative? zero?

Using graph of altitude to understand graph of upward velocity

Graph of Altitude, $A(t)$

Graph of Upward Velocity, $V(t)$