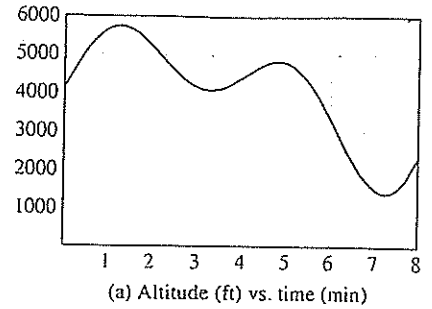


Math 105A/B
Balcomb
Quiz 1

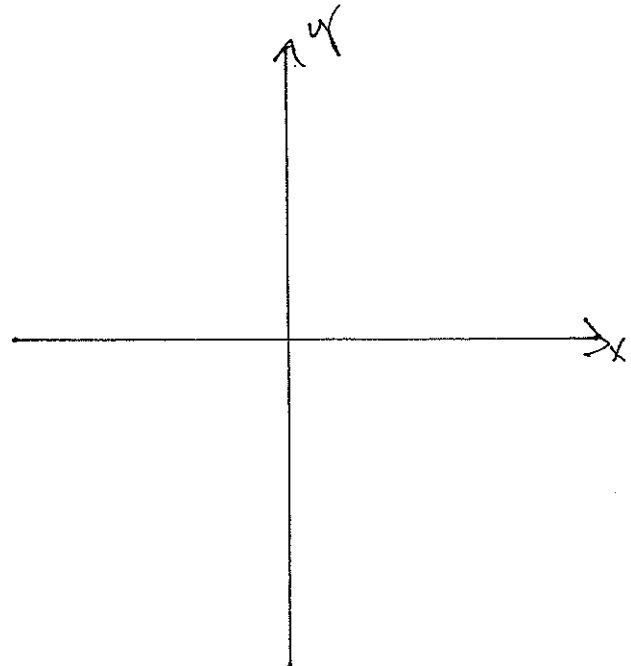
1. Refer to the graph at the right.
The graph shows the altitude of a balloon (ft.)
versus time (min)



- a) At $t=1$, is the balloon ascending or descending?
- b) Estimate where the graph is concave up.
- c) Estimate the coordinates of ONE point of inflection.

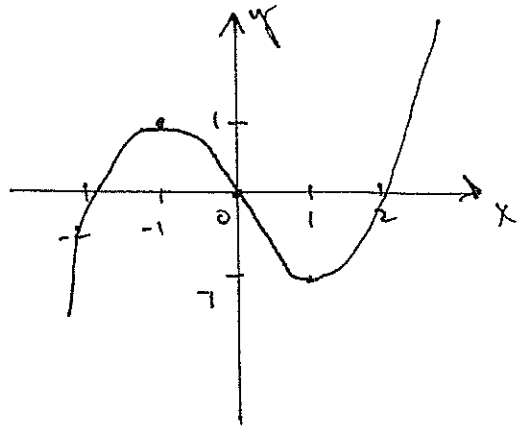
2. $f(x) = \left(\frac{1}{2}\right)^x$.

a) Graph $f(x)$



- b) Give the domain of $f(x)$
- c) The range of $f(x)$.

3. To the right is the graph of g .



a) Sketch a graph of $f(x) = g(x) + 1$

b) Sketch a graph of $f(x) = 2g(x)$