1. The height, in meters, of a certain tree changes by the relationship

$$h(t) = \sqrt{\frac{t}{3}},$$

where t is the time in years from when the seed was germinated.

(a) Make a sketch of the height of a tree as a function of time.

(b) Two seeds are planted, and the first seed germinates immediately. The second seed germinates one year after the first is germinated, and then begins to grow. Determine the formulas for the height of the two trees with respect to the time that they were planted. Make a sketch of the two functions on the same graph.

