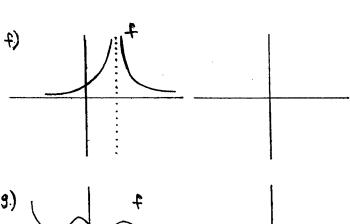
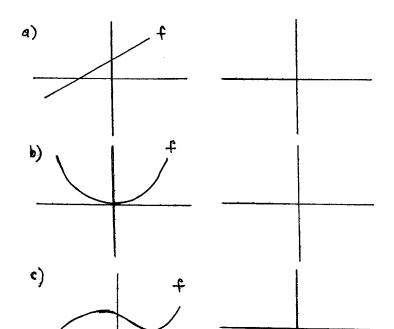
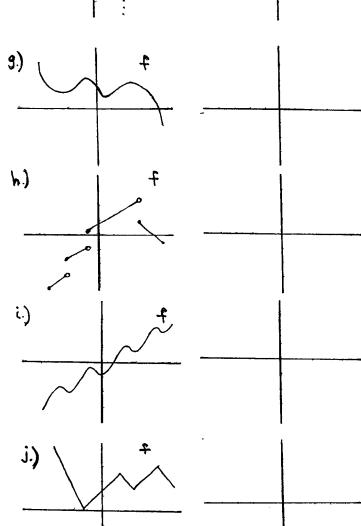
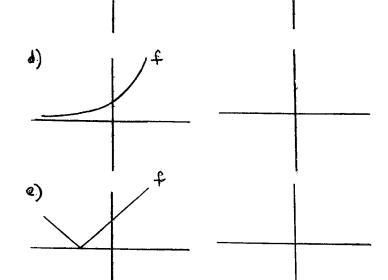
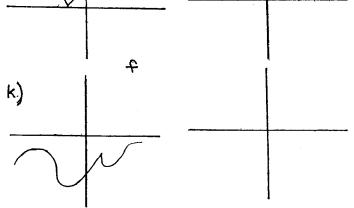
1. Use the given graph of function f to sketch a graph of its derivative, f.



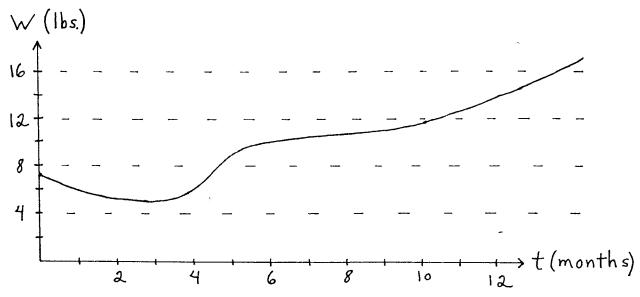








2. The following chart represents the weight  $\dot{W}$  (lbs.) of a newborn baby as a function of time t (months).



- a. What is the baby's weight at birth? after 3 months? after 1 year?
- b. What is an estimate of the baby's growth rate (lbs./month) at birth? after 3 months? after 1 year?
- c. When is the baby growing at the fastest rate during its first year of life and what is an estimate for this rate?