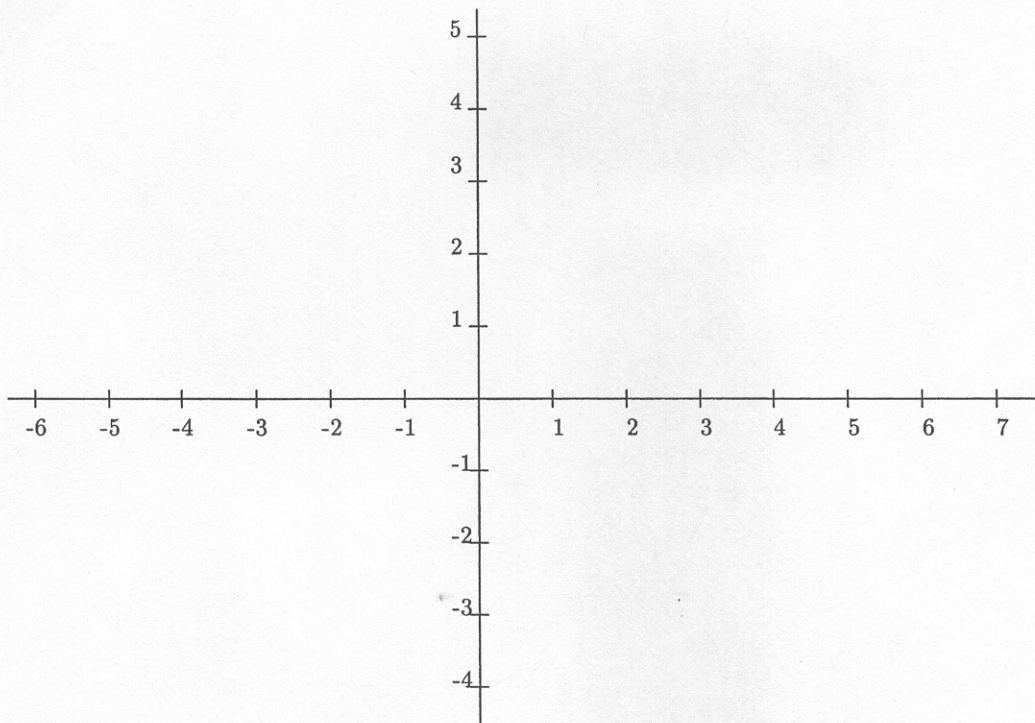


5. (10 points).

a) In the space provided, graph a function $f(x)$ satisfying the limit

$$\lim_{h \rightarrow 0} (f(2+h) - f(2)) = -1.$$



b) Give a formula for a function $g(x)$ satisfying the limit

$$\lim_{h \rightarrow 0} \left(\frac{g(1+h) - g(1)}{h} \right) = 2.$$