

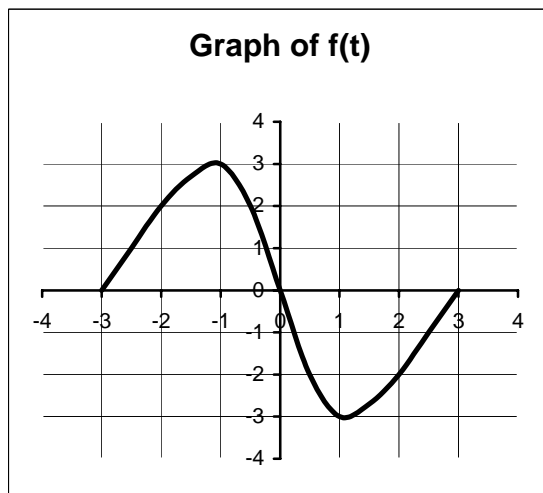
Let $g(x) = \int_{-3}^x f(t) dt$, where f is the function whose graph is shown.

(a) Evaluate each of the following:

(i) $g(-3)$ (iv) $g(0)$ (vii) $g(3)$

(ii) $g(-2)$ (v) $g(1)$

(iii) $g(-1)$ (vi) $g(2)$



(b) On what interval(s) is g

(i) increasing (ii) decreasing

(iii) concave up (iv) concave down

(c) Where on the interval $[-3, 3]$ does g have

(i) an absolute maximum (ii) an absolute minimum

(iii) an inflection point or points

(d) Sketch a graph of g .

