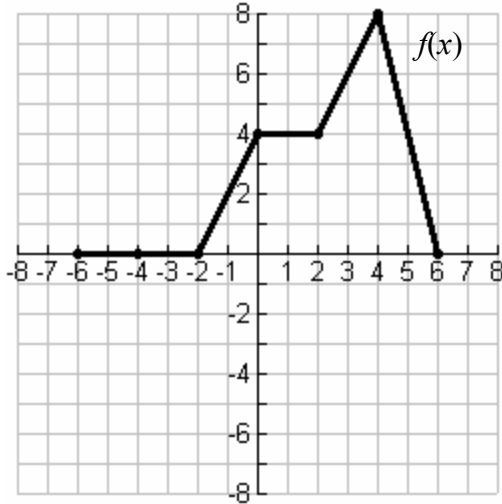


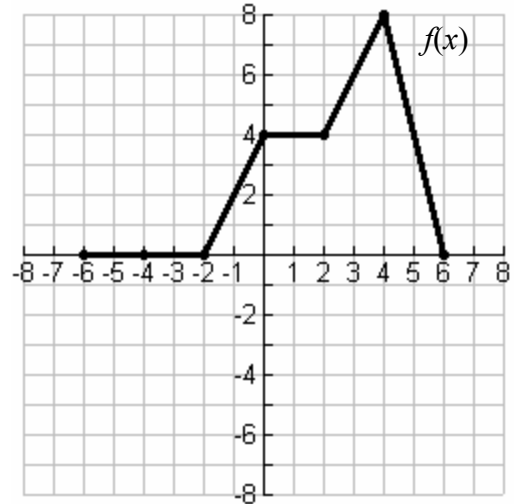
The function  $f(x)$  is shown.



1. Sketch  $p(x) = \frac{1}{2}f(x)$ .

Provide three points on the graph of  $p(x)$ :

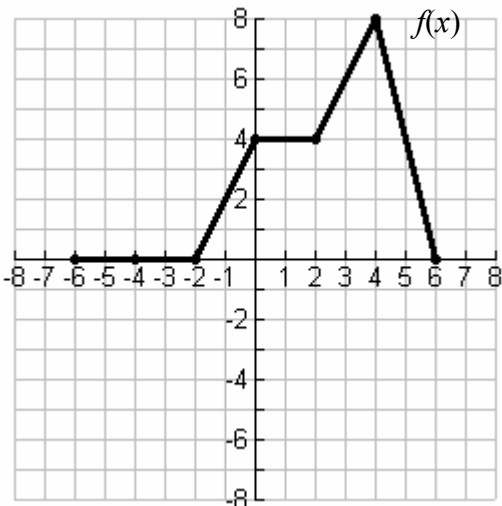
(\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_).



2. Sketch  $q(x) = -\frac{1}{2}f(x)$ .

Provide three points on the graph of  $q(x)$ :

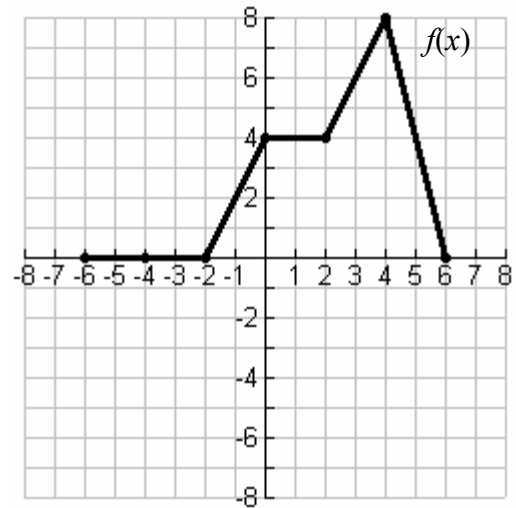
(\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_).



3. Sketch  $r(x) = -\frac{1}{2}f(-x)$ .

Provide three points on the graph of  $r(x)$ :

(\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_), (\_\_\_\_, \_\_\_\_).



4. Give the formula for the graph of  $l(x)$  in terms of  $f(x)$ .

