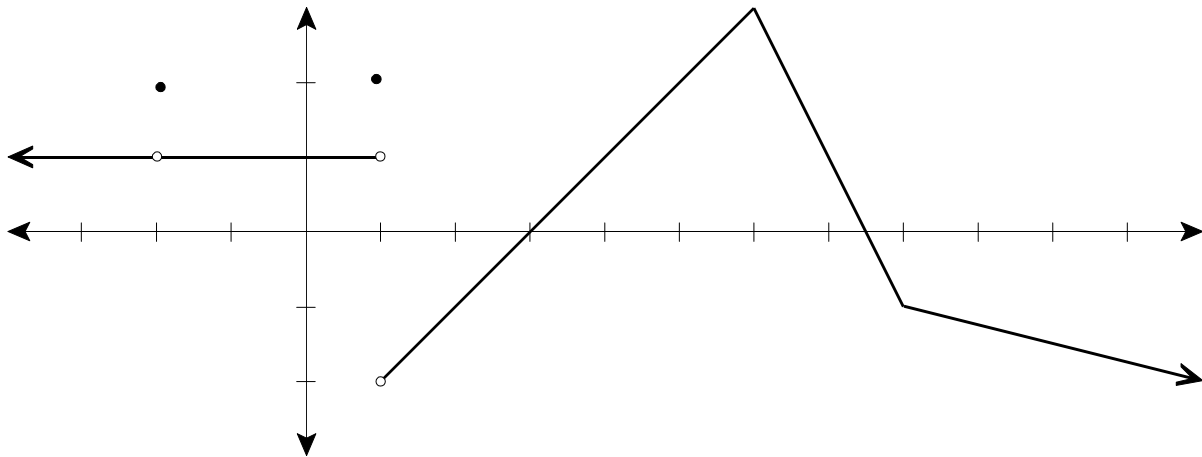
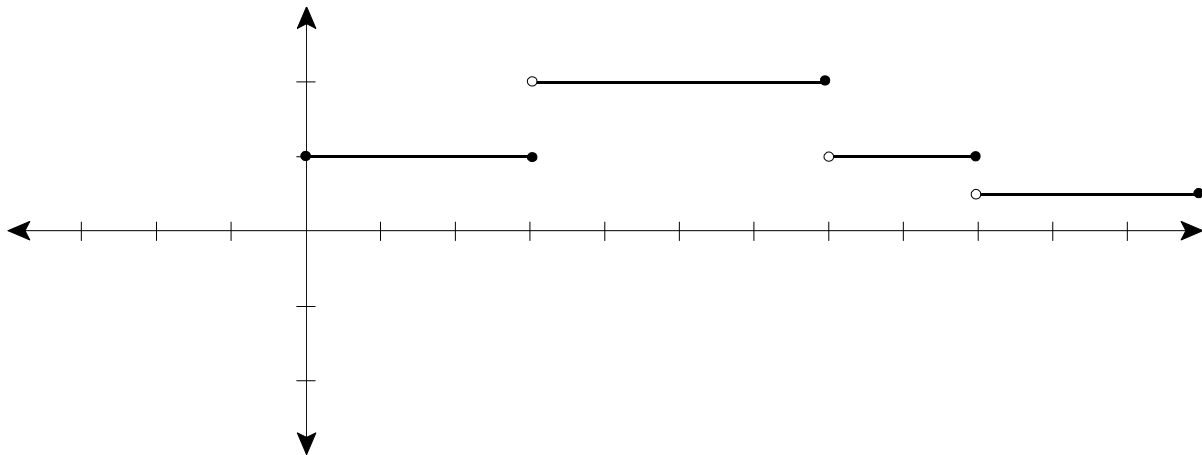


You are encouraged to work in groups of two to four on this assignment and make a single group submission. Each problem is worth 3 points for correct and clearly justified answers. An additional quality point will be awarded to submissions which are presented in a manner appropriate to good college-level work.

1. Find a slope function for the function whose graph is shown below:



2. Find an area function  $A(x)$  giving the area of the region between the graph of  $f$  and the  $t$ -axis from  $t = 0$  to  $t = x$  for the function  $f(t)$  whose graph is shown below:



3. Do Exercise 84 in §1.4 of Briggs & Cochran.

