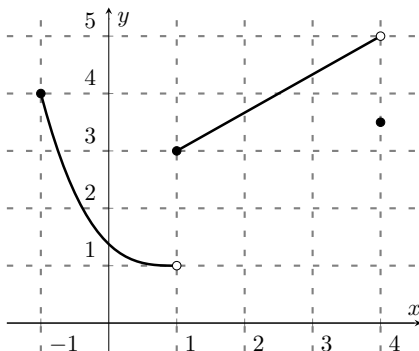
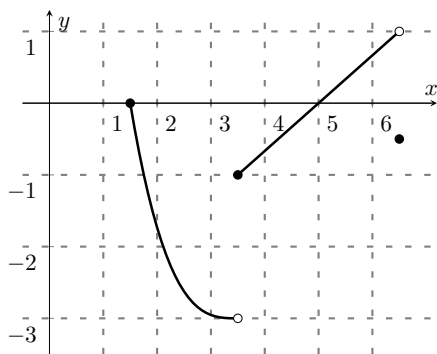


6. [9 points] The function  $h(x)$  is given in the graph below. Note that  $h$  is linear for  $1 \leq x < 4$ .

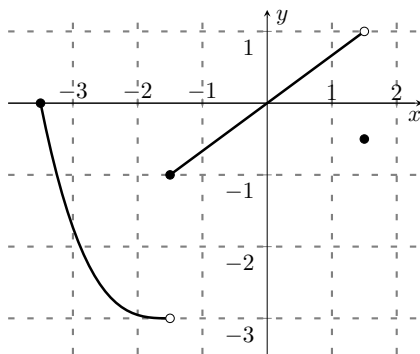


a. [3 points] Find all the values of  $x$  for which  $h(x) \leq 4$ .

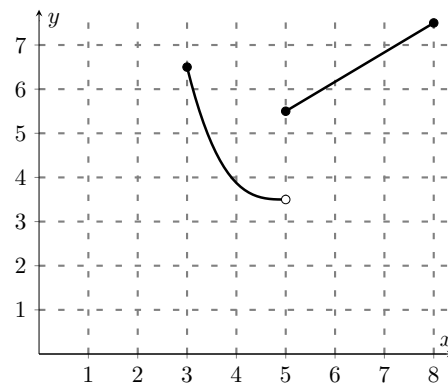
b. [2 points] Choose which of the graphs I, II, and III corresponds to the function  $k(x) = h(x + 2.5) - 4$ . Circle exactly one of I, II, and III.



I

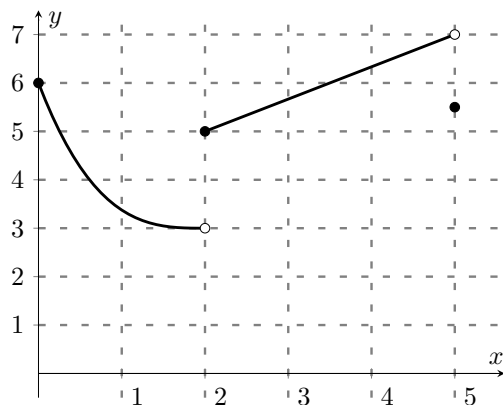


II



III

c. [4 points] Below is the graph of the function  $c(x)$  which is a transformation of the graph of  $h(x)$ . Find a formula for  $c(x)$  in terms of  $h(x)$ .



$c(x) =$  \_\_\_\_\_