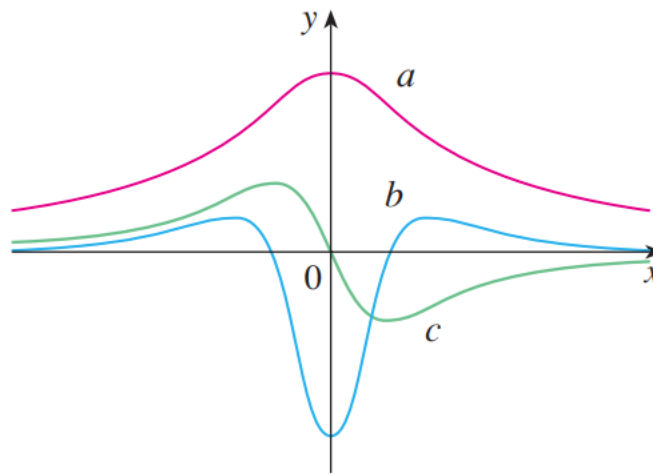


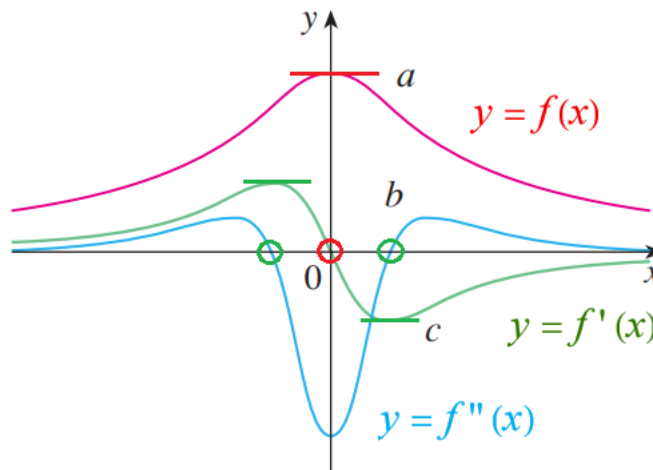
## Exercise 48

The figure shows the graphs of  $f$ ,  $f'$ , and  $f''$ . Identify each curve, and explain your choices.



### Solution

To identify each curve, notice where the tangent line is flat on each curve and also where each curve is zero.



$a$  is  $f$ ,  $b$  is  $f''$ , and  $c$  is  $f'$ .