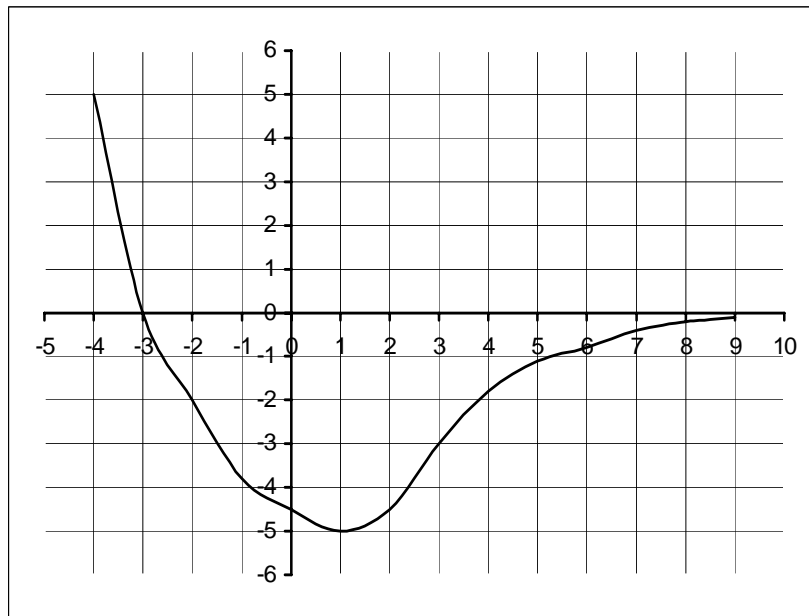


1. The graph of the function  $f$  is shown below.

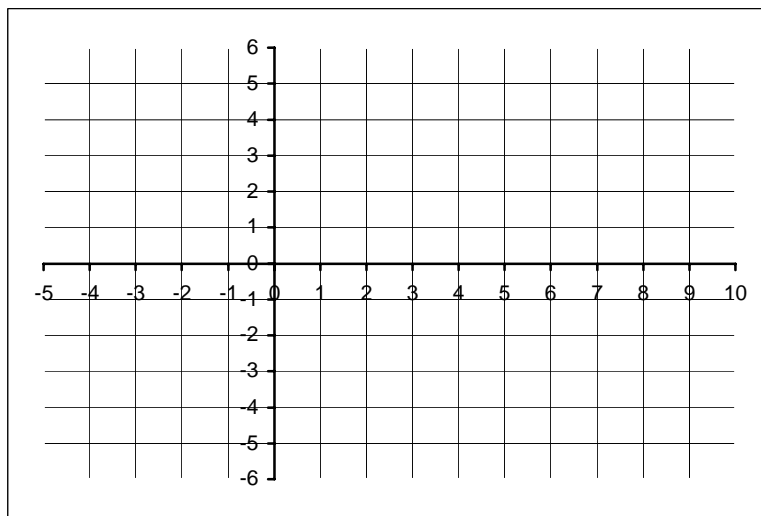


- (a) Draw tangent lines and graphically estimate

(i)  $f'(-3)$                       (iii)  $f'(1)$                       (v)  $f'(6)$

(ii)  $f'(0)$                       (iv)  $f'(3)$                       (vi)  $f'(8)$

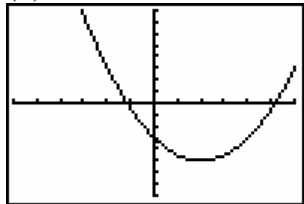
- (b) Sketch a possible graph for  $f'(x)$ .



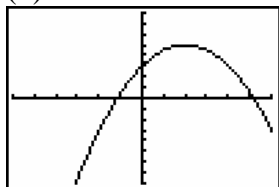
2. Match the derivatives with the functions.

**FUNCTIONS**

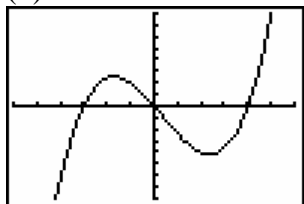
(1)



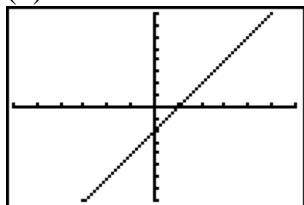
(2)



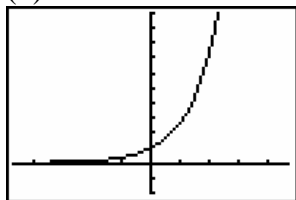
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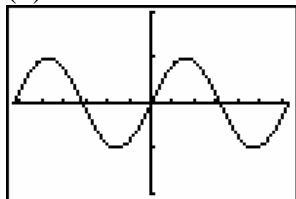
(4)



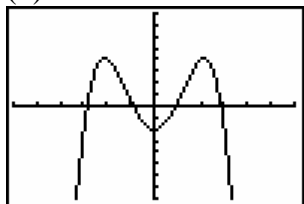
(5)



(6)

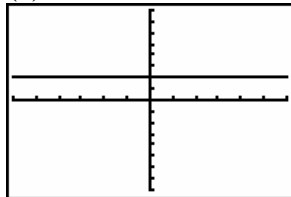


(7)

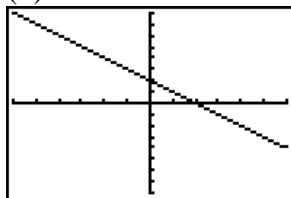


**DERIVATIVES**

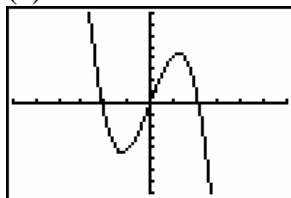
(a)



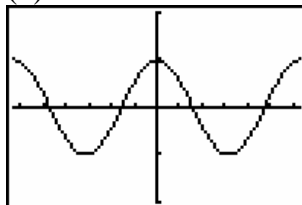
(b)



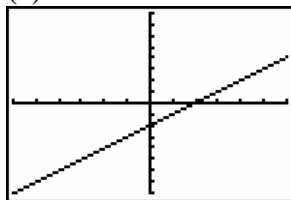
(c)



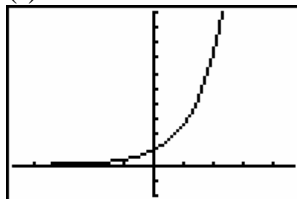
(d)



(e)



(f)



(g)

