***Solution*** ***Section* 2.3 – Product and Quotient Rules**

***Exercise***

Find the derivative of 

***Solution***







***Exercise***

Find the derivative of 

***Solution***

 







***Exercise***

Find the derivative of 

***Solution***













***Exercise***

Find the derivative of 

***Solution***







 



***OR***







***Exercise***

Find the derivative of 

***Solution***

 



***Or***







***Exercise***

Find the derivative of 

***Solution***



 



***Or***











***Exercise***

Find the derivative of 

***Solution***



 

***OR***









***Exercise***

Find the derivative of 

***Solution***









***Exercise***

Find the derivative of 

***Solution***







***Exercise***

Find the derivative of 

***Solution***









***Exercise***

Find the derivative of 

***Solution***

 

OR









***Exercise***

Find the derivative of 

***Solution***

  

***OR***



 







***Exercise***

Find the derivative of 

***Solution***



 

***OR***











***Exercise***

Find the derivative of 

***Solution***

 



***OR***

 









***Exercise***

Find the derivative of 

***Solution***





 



***Exercise***

Find the derivative of 

***Solution***









***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

***Solution***



 

***OR***







***Exercise***

Find the derivative of 

***Solution***

  

***OR***







***Exercise***

Find the derivative of 

***Solution***







***Exercise***

Find the derivative of 

***Solution***

  

***OR***







***Exercise***

Find the derivative of 

***Solution***







***Exercise***

Find the derivative of 

***Solution***





***Exercise***

Find the derivative of 

***Solution***







***Exercise***

Find the derivative of 

***Solution***

  

***OR***







***Exercise***

Find the derivative of 

***Solution***









***Exercise***

Find the derivative of 

***Solution***

 

***Exercise***

Find the derivative of 

***Solution***

 

***Exercise***

Find the derivative of 

***Solution***

 

***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

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***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the derivative of 

***Solution***

 





***Exercise***

Find the derivative of 

***Solution***

 



***Exercise***

Find the ***first*** and ***second*** derivative 

***Solution***

  

















***Exercise***

Find : 

***Solution***











***Exercise***

For what value(s) of *x* is the line tangent to the curve  horizontal? Vertical?

***Solution***









 is a horizontal tangent line.

∴ The vertical tangent line inside the square root of *y*. 







***Exercise***

Find an equation of the tangent line to the graph of  when *x* = 0

***Solution***

  

***OR***

 









 

