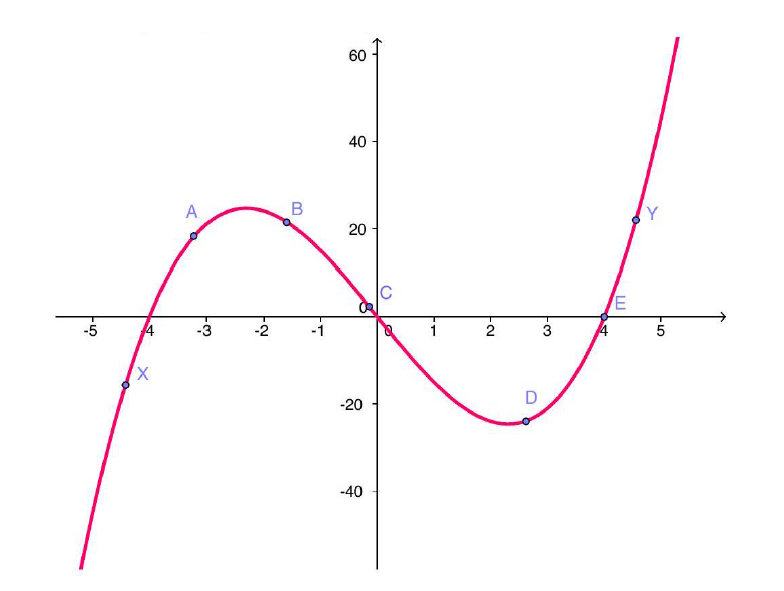
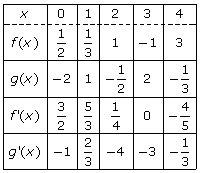
# Math 10 Derivatives Test

1. Let . What is the equation of the tangent line to at the point ?
2. What is the derivative of ?
3. If and are nonzero differentiable functions, then the derivative of is
4. The line tangent to the curve at the point has slope
5. 4
6. If then what is ?
7. What is the value of
8. 4
9. 2
10. If what is the value of ?
11. At which value does the graph of have a horizontal tangent line?
12. If then which of the following is true?
13. If and , find
14. The graph of a continuous differentiable function is shown below.  
      
    Using the above graph, select the one true statement below.
15. Let . At which point(s) on the graph of is the tangent line parallel to the line ?
16. and
17. and
18. and
19. and
20. If find
21. Calculate
22. 0
23. The values of are given for selected values below.  
      
    Using the table above, evaluate the following:
24. at
25. at
26. at
27. at
28. at