Stewart Book Review p 215

1. For the function whose graph is shown, 2. Find a function and a number a such that

arrange the following numbers in increasing order:

0 1



9. Let ) be the total value of U.S. banknotes in circulation at time. The table gives values of this function from 1980 to 1990, a year end, in billions of dollars. Interpret and estimate the value of

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1980 | 1985 | 1990 | 1995 | 1998 |
|  | 124.8 | 182.0 | 268.2 | 401.5 | 492.2 |

Calculate.

|  |  |  |
| --- | --- | --- |
| 13.  | 21.  | 33.  |
| 15.  | 25.  | 35.  |
| 17.  | 27.  | 37.  |
| 19.  | 31.  |  |

39. If , find

Find an equation of the tangent line to the curve at the given point.

45. 47.

51. At what points on the curve , is the tangent line horizontal?

69. The graph of is shown to the right.

 State, with reasons, the numbers

 at which is not differentiable.

Express the limit as a derivative and evaluate.

84. 85. 86.