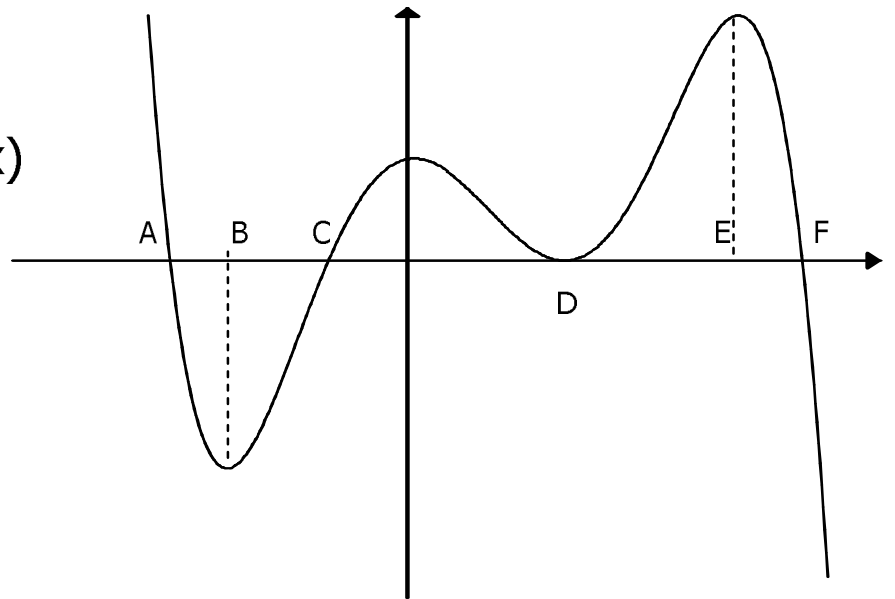




The graph of  $f$  is shown.

$$y = f(x)$$



6. Give the number of critical numbers of  $f$ .
- A. 3                      B. 4                      C. 5                      D. 6                      E. 7
7. Give the number of values of  $x$  where  $f$  has an inflection point.
- A. 0                      B. 1                      C. 2                      D. 3                      E. 4
8. Give the number of values of  $x$  where  $f'$  has a local minimum. ( $f'$  changes from decreasing to increasing)
- A. 0                      B. 1                      C. 2                      D. 3                      E. 4
9. Give the number of values of  $x$  where  $f'$  has a local maximum. ( $f'$  changes from increasing to decreasing)
- A. 0                      B. 1                      C. 2                      D. 3                      E. 4
10. Give the number of values of  $x$  where  $f''$  is zero or undefined.
- A. 0                      B. 1                      C. 2                      D. 3                      E. 4
11. Give the number of intervals where  $f''$  is positive.
- A. 0                      B. 1                      C. 2                      D. 3                      E. 4