

1. Find the critical numbers of $f(x) = 3x^3 + 17x^2 - 8x$.

a) $x = 0$ and -8

b) $x = -4$ and $\frac{2}{9}$

c) $x = \frac{4}{9}$ and 3

d) $x = -\frac{32}{9}$ and 17

e) $x = \frac{2}{9}$ and -8

2. The graph of the second derivative f'' of a function f is shown. Find the x -coordinates of the inflection points.

a) 6 and 9

b) 5 and 8

c) 3 and 6

d) 4 and 8

e) 3 and 9

