Mathematics 122

Quiz #7

Name:	Key	
AND MEDICAL PROPERTY (CO. C.		

You must show your work to get full credit.

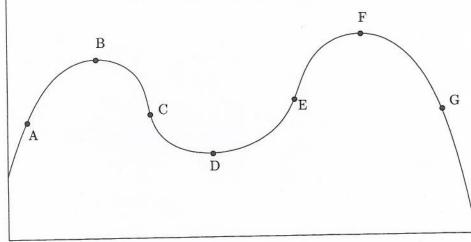


FIGURE 1. Graph of y = f(x)

(1) In the graph of y = f(x) above ρ (a) At which of the labeled points is f'(x) > 0

(b) At which of the labeled points is f'(x) < 0

At which of the labeled points is f'(x) = 0

B, P,

(2) The quantities A and r are related by $\frac{r \mid 0.0 \mid 0.2 \mid 0.4 \mid 0.6}{A \mid 8.1 \mid 7.7 \mid 6.9 \mid 5.7}$

Zpts

Estimate the derivative A'(0.2). A'(0.2) =

$$A'(0.2) = 3$$

left estimate $\frac{901-7.7}{0.2-000} = 8$ Visht estimate = $\frac{7.7-609}{0.4-0.2} = 9$ For any of those answers.

Bog+ quess = 2+4