Mathematics 122
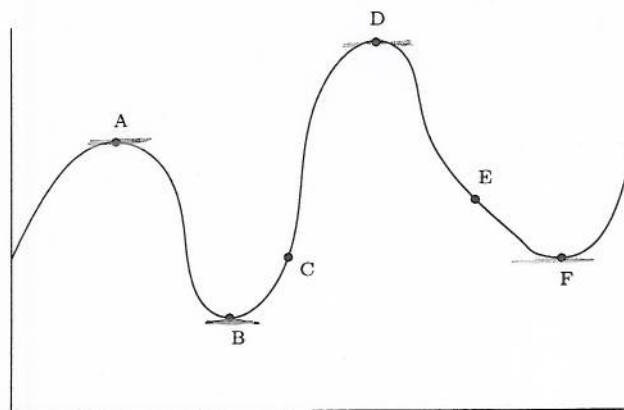
Quiz #21   Name: _____Key_____

You must show your work to get full credit.

(1) Which of the labeled points are critical points? ___A, B, D, F___

1 pt This is where $f' = 0$

(2) Which of the labeled points are local maxima? ___A, D___

1 pt Tops of hills

(3) Which of the labeled points are local minima? ___B, F___

1 pt Bottom of valleys

(4) Which of the labeled points is the global maxima? ___D___

1 pt Tallest hill

(5) Which of the labeled points is the local minima? ___B___

1 pt lowest valley