Quiz #10   Name: _____Key_____

You must show your work to get full credit.

1. Draw graphs of functions that have the following properties.
   (a) $f' < 0$ and $f'' > 0$.
   decreasing   concave up

   (b) f is increasing at a decreasing rate.

2.   At which of the labeled points is $f > 0$ ___A, B, D___
                (i.e above the x-axis

                At which of the labled points is $f' > 0$ ___A, C, D___
                (i.e increasing

                At which of the labled points is $f'' > 0$ ___C___
                (i.e. concave up)