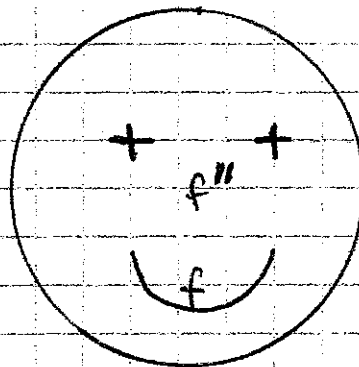
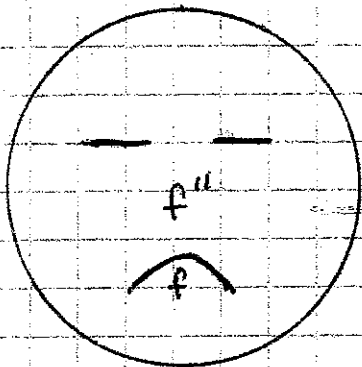
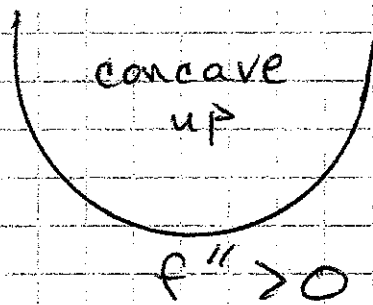
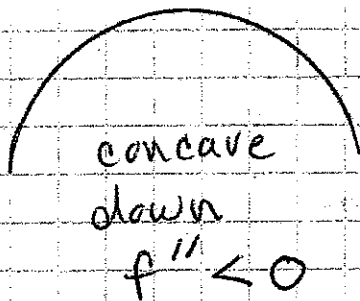
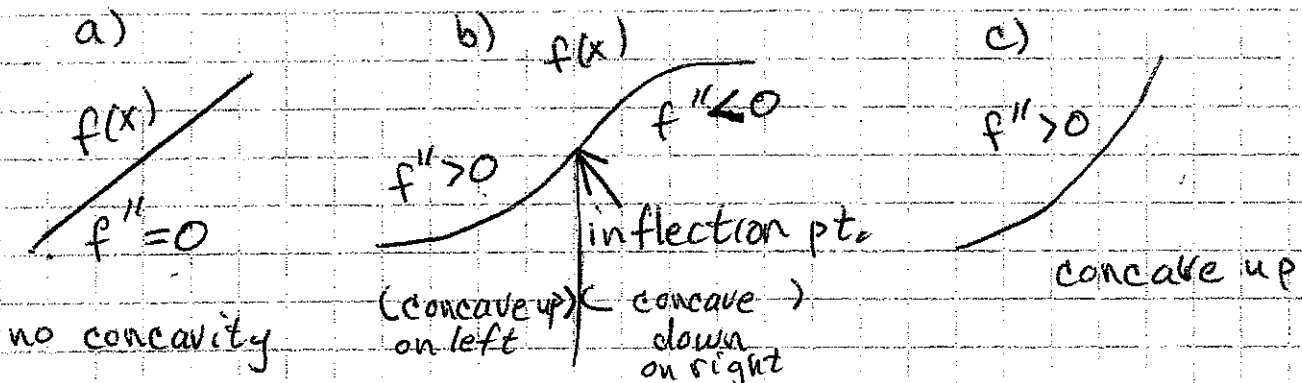
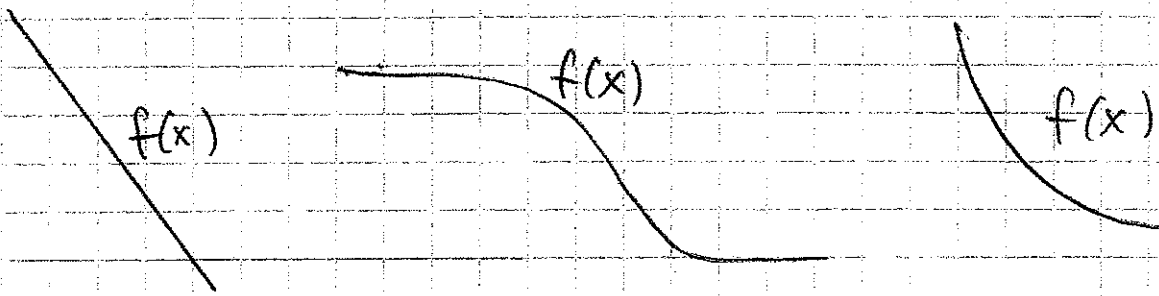
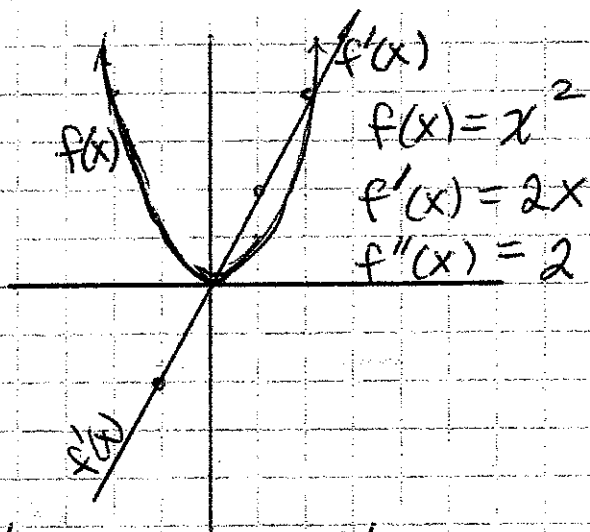
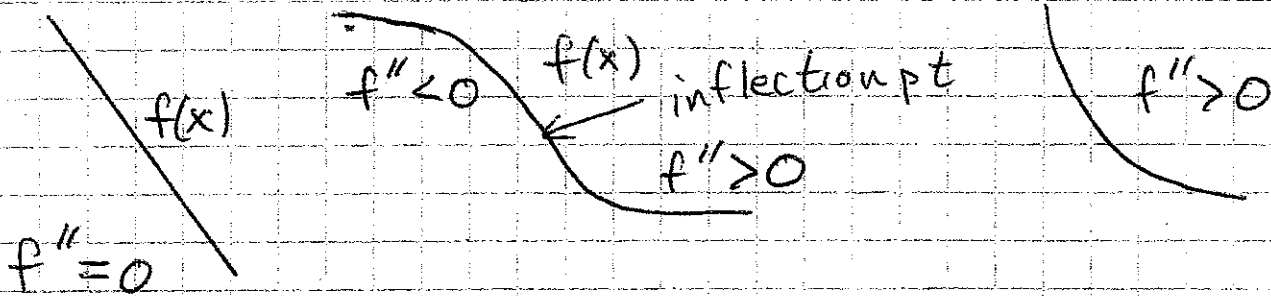


In all the above, $f' > 0$, f is increasing





In all the above, $f' < 0$, f is decreasing



$f' < 0$
 $f \downarrow$

$f' > 0$
 $f \uparrow$

$f'' > 0$, f is \cup

