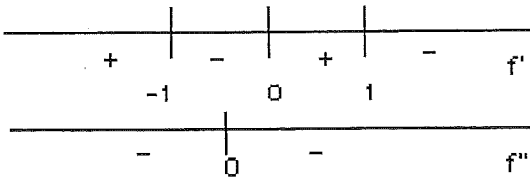


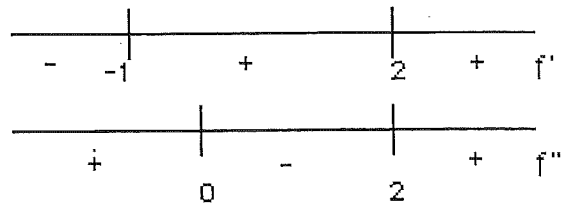
Graph each function.

1.



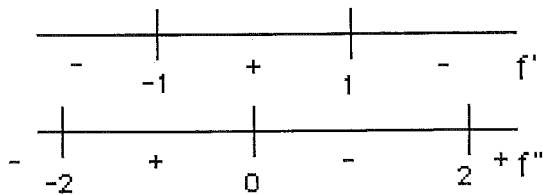
$(-1,1)$   $(1,1)$   
 $(0,0)$  non-diff, vert tangent line

2.



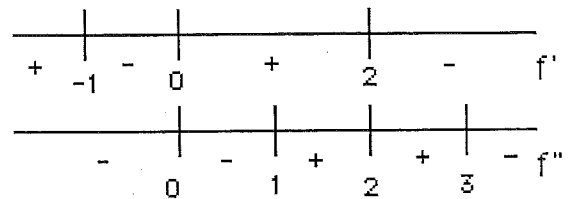
$(-1,-1)$   $(0,0)$   $(2,5)$

3.



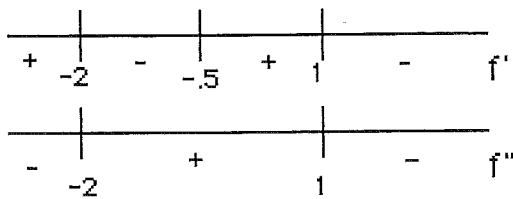
$(-2,-1)$   $(-1,-2)$   $(0,0)$   
 $(1,2)$   $(2,1)$

4.



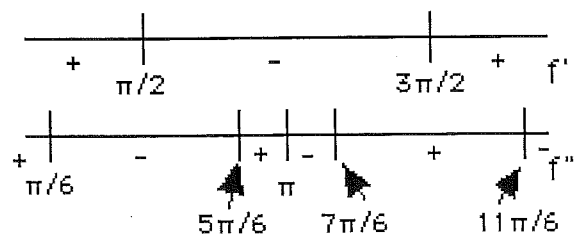
$(-1,1)$   $(1,0)$   $(3,0)$   
vertical asymptotes at  
 $x = 0$  and  $x = 2$

5.



$(-2,0)$  and  $(1,0)$  both non-diff  
 $(-5,-1)$

6.



$(\pi/6, 4/9)$   $(\pi/2, 19/18)$   $(5\pi/6, 4/9)$   
 $(\pi, 0)$   $(7\pi/6, -4/9)$   $(3\pi/2, -19/18)$   
 $(11\pi/6, -4/9)$