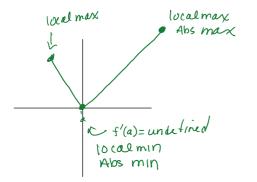


Notes Page 1



• 
$$f(x)$$
 has a local max  $a x = 0$ , blc  
 $f'(x)$  goes from  $t \pm 0 - a x = 0$ .

• 
$$f(x)$$
 has a local min a)  $x=5$ ,  
5/C  $\lambda=5$  is an endpt. and  $f'(x)<6$   
Jo the left of  $x=5$ .

v

Notes Page 2

Find the Abs max of the 3 
$$\frac{1}{4}$$
  $\frac{1}{8}$   $\frac{1}{2}$   $\frac{1}{8}$   $\frac{1}{8}$ 

Find all local extrema on 
$$f(x)$$
  
and justify your answer.  $f(x) = x^3 - 2x + 4$   
 $\int f'(x) = 3x^2 - 2$   
 $\chi = \frac{1}{\sqrt{2}}$ 

