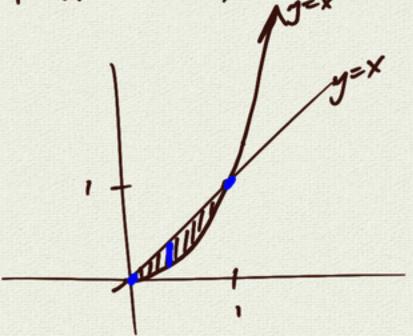


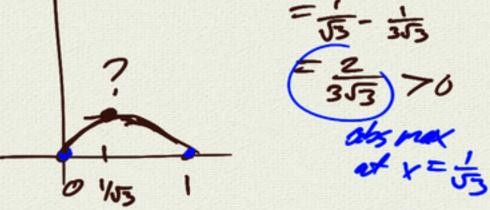
observation: f has local max at x=c then: f(c) = 0 + continuous on [a,b] closed interval find abs. min/max: (1) and point 2 local min/max:
-f' does not exist point
-f'=0

h(x)=x-x3 on [0,1]

Find abs max, min. 3



(2) critical pts: L(x)=1-3x2 L'(x)=0=>1-3x2=0

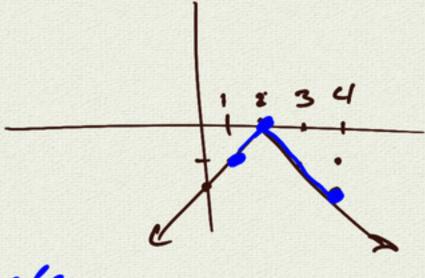


on [1,4]

Find min and max

(1) end pts: 
$$f(1) = -1$$
 $f(4) = -2$ 

(2) critical pt 
$$x=2$$
 (f'(z) does not)  
 $f(z)=0$  abs max



(1) end pts:
$$g(-\frac{\pi}{2}) = 0$$

$$g(3\pi/4) = -\frac{\pi}{2}$$
unin

$$\chi=0, \pi, 2\pi, \dots$$

