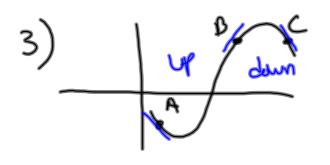
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	<b>A</b>	B		
QX GA	1	+	ı	
927	+	1	•	

5) You are looking at f'(x), not f(x) when f''(x)=0 (-1,0,1,2) f(x) has an infliction point.

7) a) 
$$[4, 6]$$
  
b)  $[1, 4], [6, 7]$   
c)  $[1, 2], [3, 6)$   
d)  $[2, 3], [5, 7]$   
e)  $[2, 3], [5, 7]$ 

13) 
$$5+12x-x^{2}=fcx$$
  
 $5'(x)=12-3x^{2}=0$  when  $x=t^{2}$   
 $5''(x)=-6x=0$  when  $x=0$   
 $5''(x)=-6x=0$  when  $x=0$   
 $5''(x)=-6x=0$  when  $x=0$   
 $5''(x)=-6x=0$  ()  $(-\infty,0)$   
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 $5''(x)=-6x=0$  ()  $(-\infty,0)$ 

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$$f(x) = 1 - 4x - x^{2}$$

$$f'(x) = -4 - 2x$$

$$f''(x) = -2$$

$$f'(x)=0$$

$$-4-2x=4$$

$$x=-2$$

$$f''(-2)=-2$$
 concare down
$$max$$

19) 
$$f(x) = 3\ln x$$
 0< x<21)  
 $f''(x) = 3\sin x (-\sin x) + \cos x$  (2 (2 (2 x))  
 $f''(x) = 3\sin x (-\sin x) + \cos x$  (3 (3 x))  
 $f''(x) = 3\sin x (-\sin x) + \cos x$  (3 (3 x))  
 $f''(x) = 3\sin x (-\sin x) + \cos x$  (3 x)  
 $f''(x) = 3\sin x (-\sin x) + \cos x$  (3 x)

$$5x(2\cos x)$$
 $x$ 
 $f'(x)=0=2\sin x \cos x$ 
 $x=0$ 
 $x=1$ 
 $x=1$