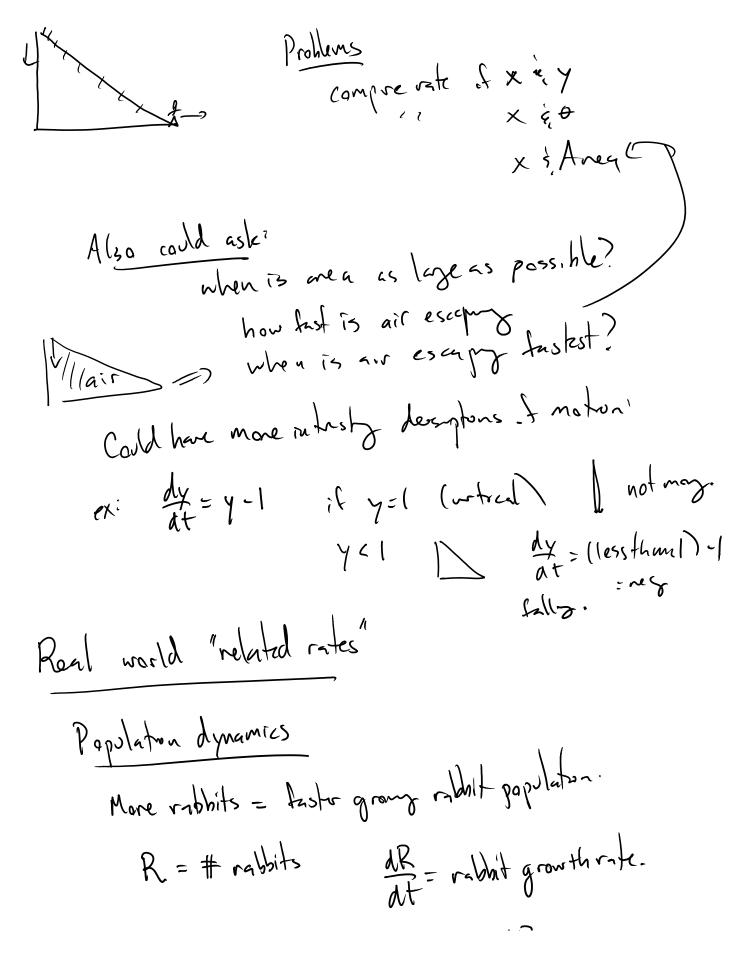
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only when reither 
$$f'(x)>0$$
 nor when  $f'(x)=0$   
Said backwards? local min/max can only occur at points  
where either  
-  $f'(x)=0$  or  
-  $f'(x)$  does not exist  
So if  $f'(c)=0$  as  $f'(c)$  done we say that circa  
(c in interior of domain of  $f(x)$ ) critical point  
(c in interior of domain of  $f(x)$ ) critical point  
(c in interior of domain of  $f(x)$ ) critical point  
(c in interior of domain of  $f(x)$ ) critical point  
(c in interior of domain of  $f(x) = x^2 - 5x - 1$   
Stop 1: locate critics  
 $f'(x) = 2x - 5$  when is  $f'(x)=0$   
(c)  $f'(x)$  not dotted?  
defined employed.  
 $f'(x)=0$  =  $2x-5 = 5$   $x=\frac{5}{2}$  critical point

2x-5>0 2x>5 (mong x>5/2

