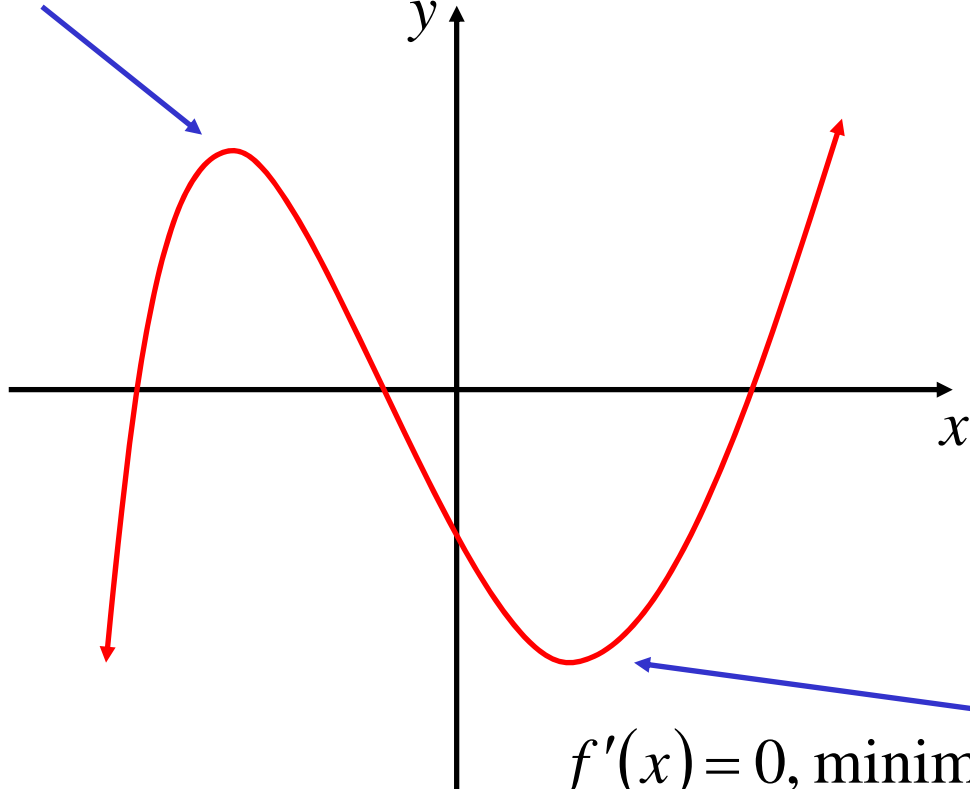


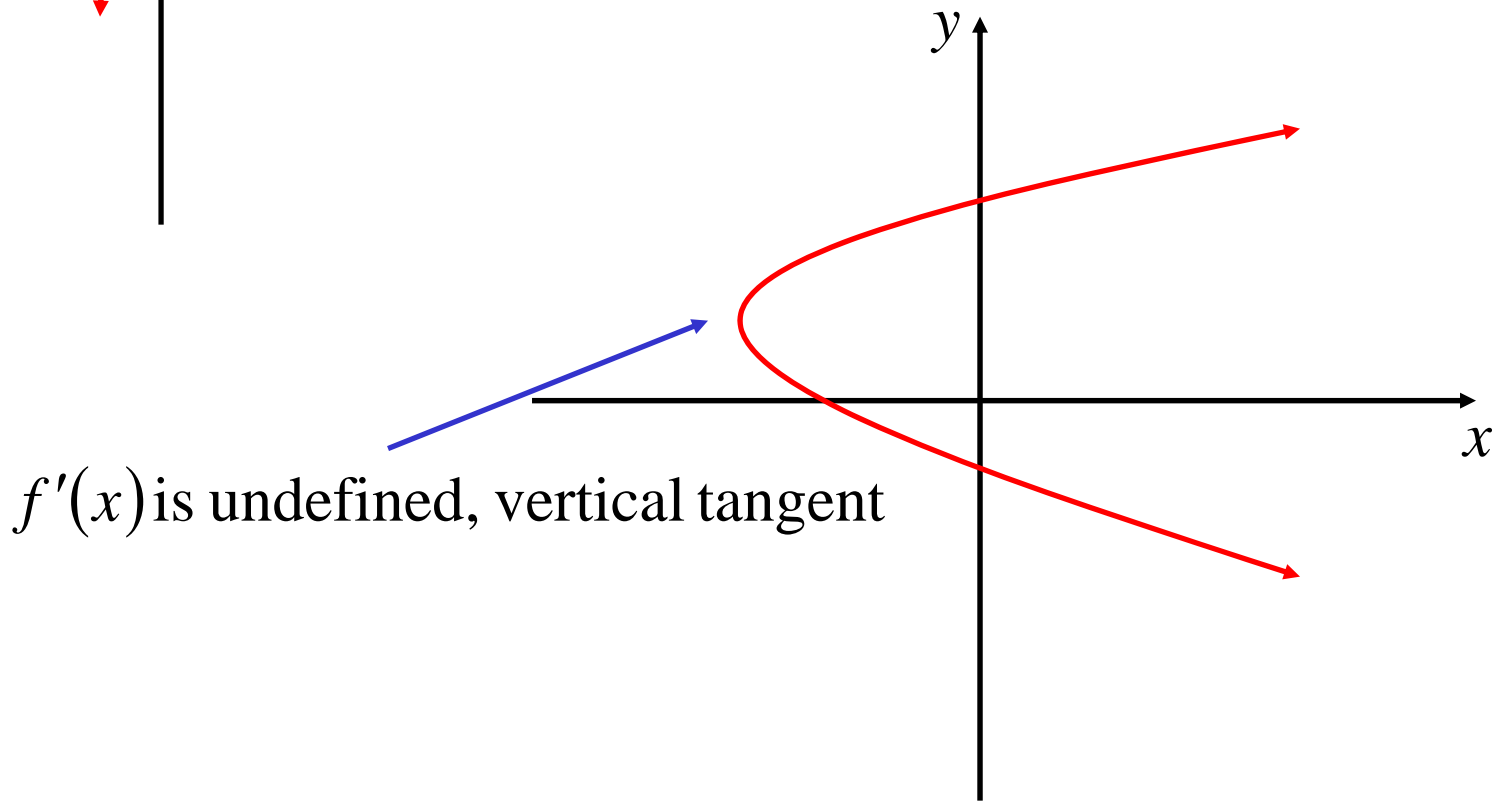
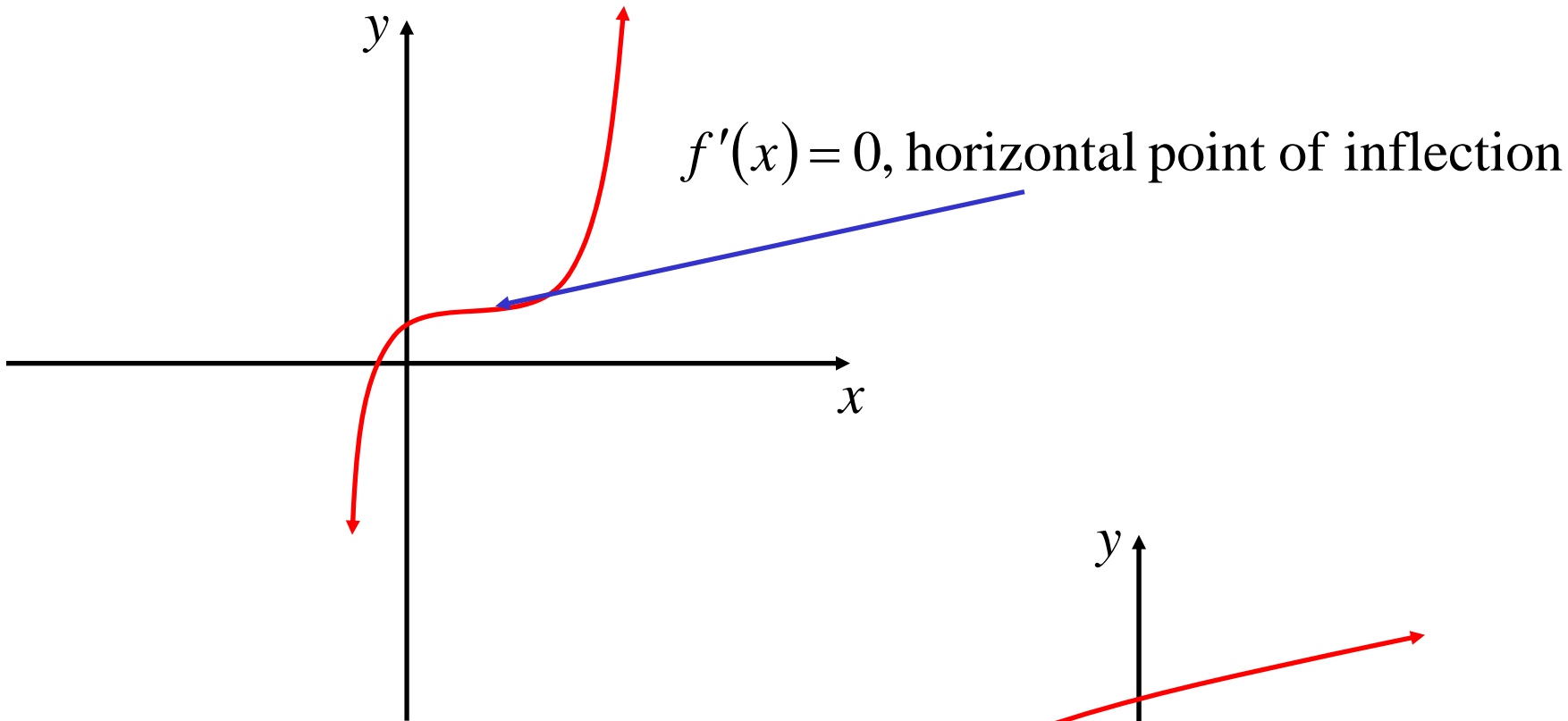
# *Critical Points*

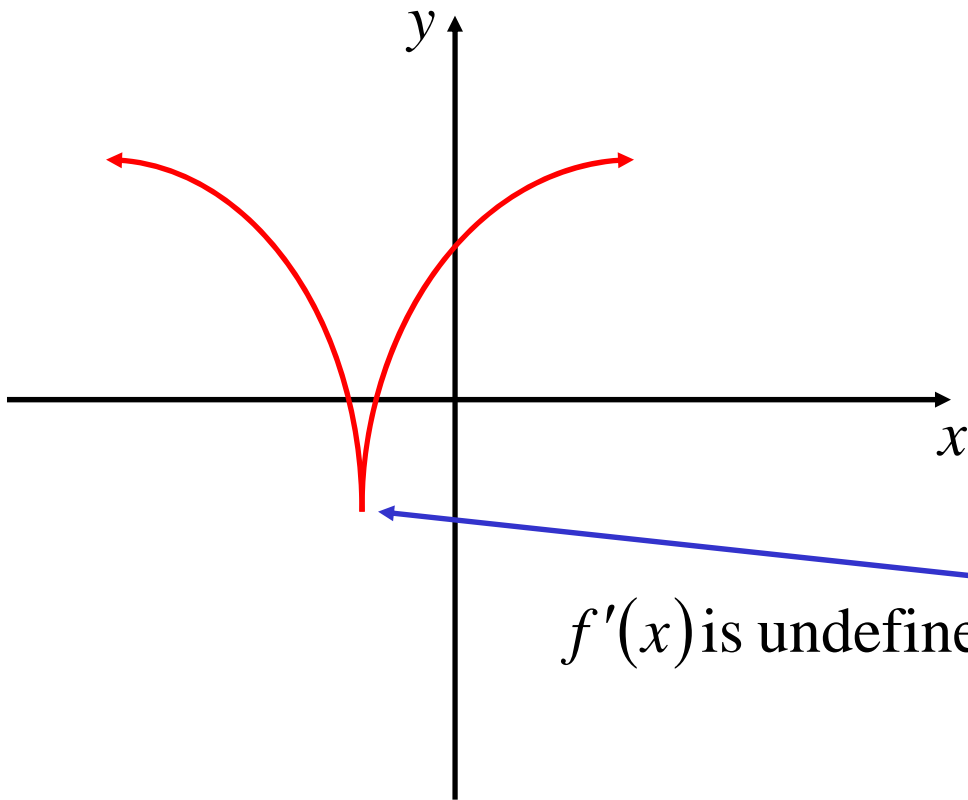
Critical points occur when  $\frac{dy}{dx} = 0$  or is undefined

$f'(x) = 0$ , maximum turning point



$f'(x) = 0$ , minimum turning point





$f'(x)$  is undefined, "cusp" curve is not continuous  
minimum point

**Exercise 10C; 1, 2ace etc, 3, 5, 8, 10**