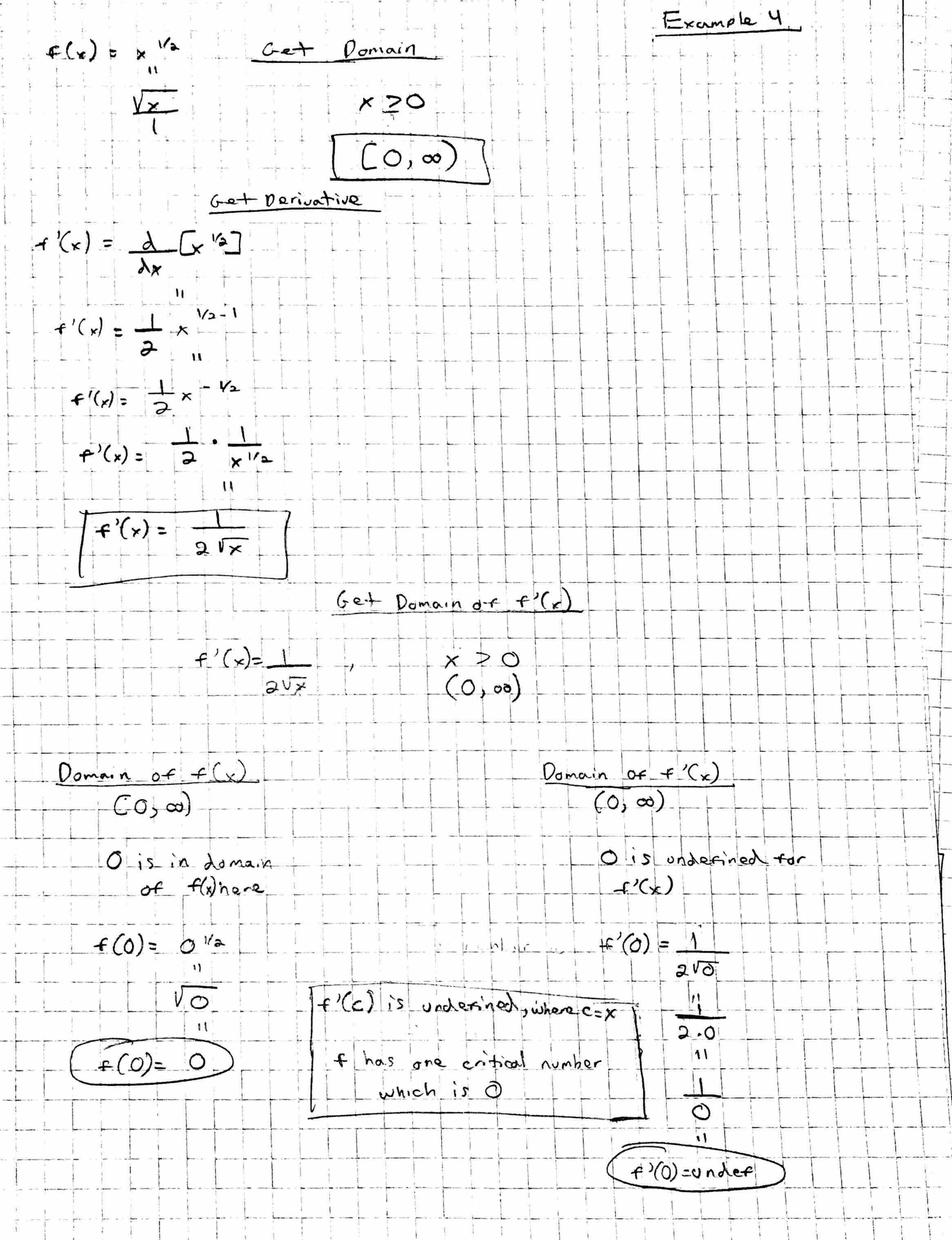
```
Example 6
     +(x) = 1/x
                                       Get Domain
                                     -f(x) = 1/x \quad x < 0 \text{ or } x > 0
-(-\infty,0) \cup (0,\infty)
                                          Get Derivative
                                         -f'(x) = d [] f(x)=1
dx [x] g(x)=x
                 +,(1)=x.-9-[1]--1.-9-[2]
                                                        Domain of file
                                                        (-00,0) U(0,00)
Domain ox +(x)
                                                            Domain of f'(x).
(-00,0) U(0,00)
(-\infty, 0) U(0, \infty)
                                                                f'(0) = -1
                                                               +>(0) = under
                                                                    anderwood
```

Set +'(x)=0 Example 6 Cont False/No Solutions for f'(x)=0 e has no critical values 1. + '(0) is underined but 0 is not in the domain of f(x) 2. There are no solutions when f'(x) = 0



Example 5	
	D'Get critical numbers of f(x) = sin(x)
	@ Gat Domain of +(x)
	$+(x) = Sin(x) \qquad 00 main \\ (-\infty, \infty)$
	3) Get Derivative of f(x)
	$+ '(x) = \Delta (sin(x))$
	f'(x) = cos(x)
	9 Get Domain of f'(x)
	$f'(x) = \cos(x) (-\infty, \infty)$
	There are no x values where $f'(x) = 0 \text{ or } f'(x) \text{ do not exist,}$
	S) Set +1(x)=0
	$[\cos(x) = 0 - \cos x \text{ values} = TT/2 + TTK]$ where K is an
	integer

Critical numbers of A are X = TT/2+TTK