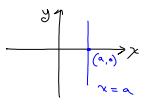


September 25, 2015

Quiz # 3

#1) see text!

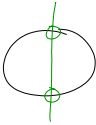
#2) $x = a$



#3) $x^2 + (y+2)^2 = 8$

$$\sqrt{(y+2)^2} = \pm\sqrt{8-x^2}$$

$$y+2 = \pm\sqrt{8-x^2}$$

$$y = -2 \pm \sqrt{8-x^2}$$


fails the Vertical line test!

Sep 25-11:02 AM

#4) $f(x) = \sqrt{x-2}$
 $x \geq 2$

Domain: $[2, \infty)$

$$f(2) = \sqrt{(2)-2}$$

$$= \sqrt{0}$$

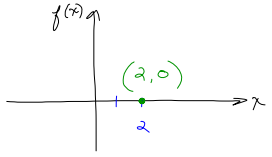
$$= 0$$

x	$f(x)$
2	0
1	i

$f(1) = \sqrt{(1)-2}$

$$= \sqrt{-1} \rightarrow \text{Complex not a Real member}$$

$= i$



Sep 25-11:23 AM

Quiz # 4 - Monday

1.3 & 1.4

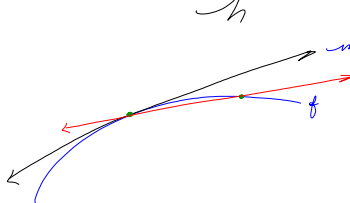
Sep 25-11:34 AM

The Difference Quotient

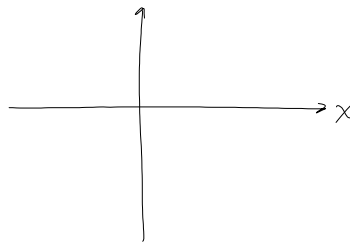
$$\frac{f(x+h) - f(x)}{h}$$

$$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

Average Rate of Change



Sep 25-11:38 AM



Sep 25-12:00 PM