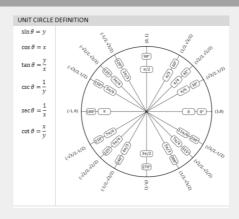
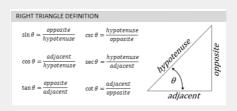


# CRW KEVINDurham Cheat Sheet by KDMSB via cheatography.com/23721/cs/5298/

## Unit Circle



## Right Triangle Definitions



#### **Difference Quotient**

$$m_{\text{sec}} = \frac{\text{change in } y}{\text{change in } x} = \frac{f\left(x+h\right) - f\left(x\right)}{\left(x+h\right) - x} = \frac{f\left(x+h\right) - f\left(x\right)}{h}.$$

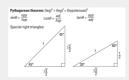
The slope formula f(x+h)-f(x)/h fraction f. open , x plus h , close . minus f , open x close , over h end fraction is also known as a difference quotient, and it can be expressed in several ways depending on how the coordinates of P and Q are labeled. For example, given the coordinates

### **Secant Line**

$$m_{\text{sec}} = \frac{f(x) - f(a)}{x - a}.$$

For example, given the coordinates P(a,f(a)) and Q(x,f(x)) p . open . eh comma f , open eh close . close . and . q . open . x comma f , open x close . close (Figure 1.11), the difference quotient is

## Triangles





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