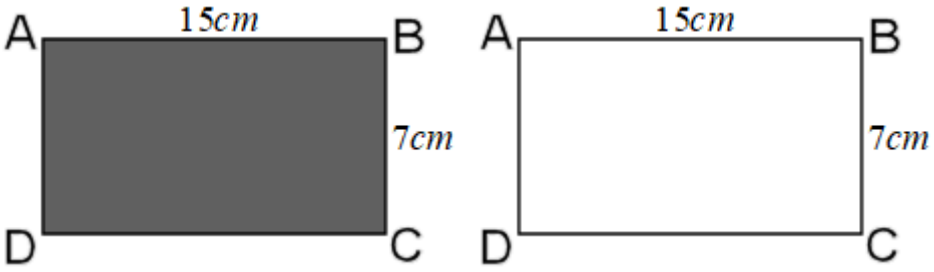
Mathematics Graphics Samples

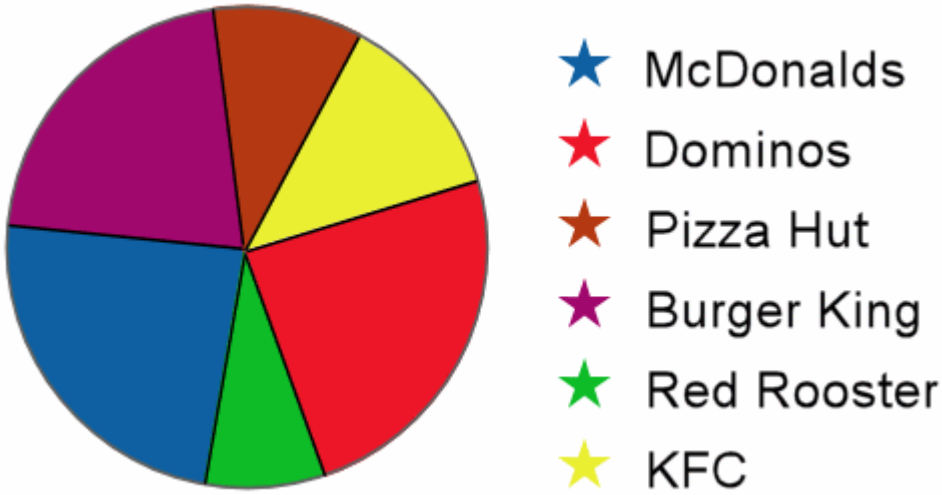
The following diagrams are taken from a variety of sources ranging from basic Junior Secondary Mathematics level through to entry level Tertiary (University) Mathematics.

The images have been created using a graphics software program such as Corel PaintShop Pro or Adobe Photoshop while relying upon the use of Layers as a common technique.

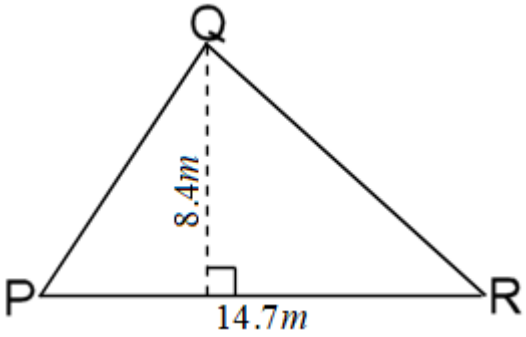
Basic Diagrams (Perimeter and Area of Rectangles)



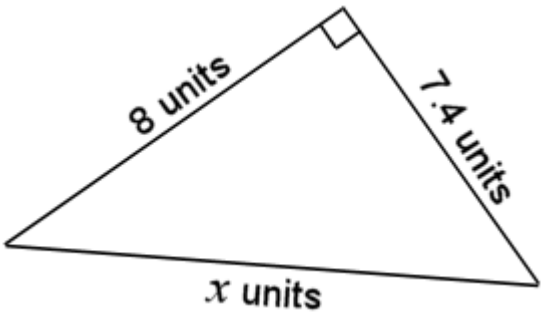
Sector Graph



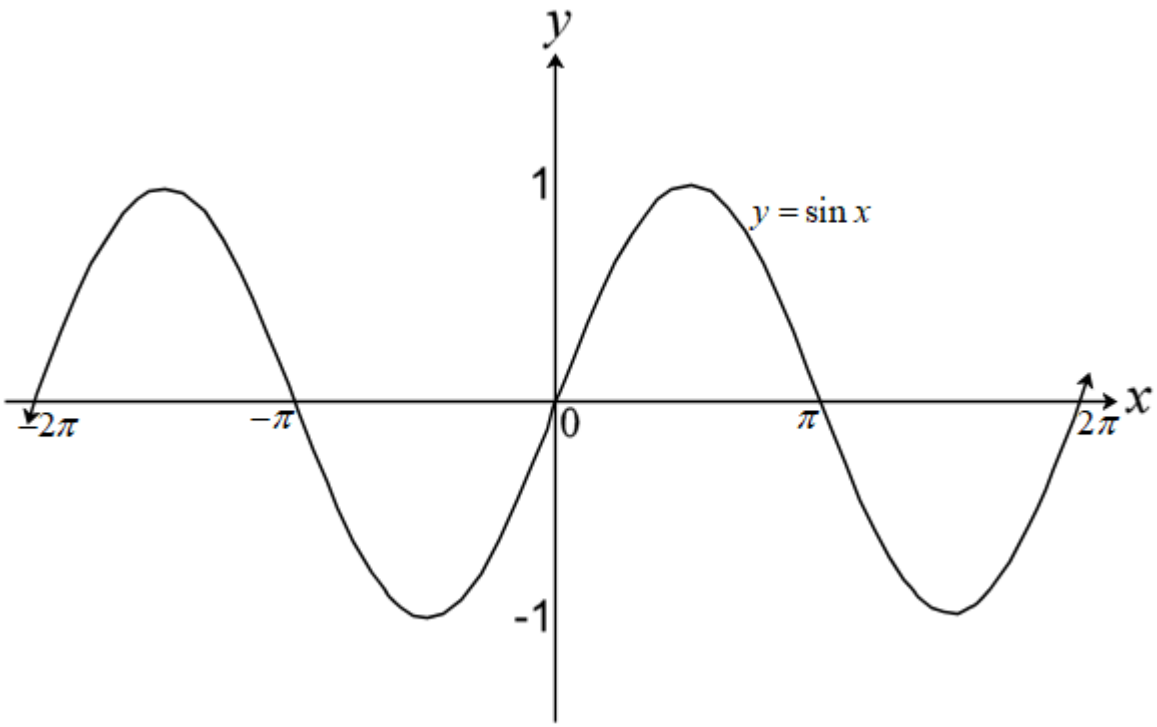
Area of a Triangle



Finding Hypotenuse (Pythagoras' Theorem)



Graph of the Trigonometric Function $y = \sin x$



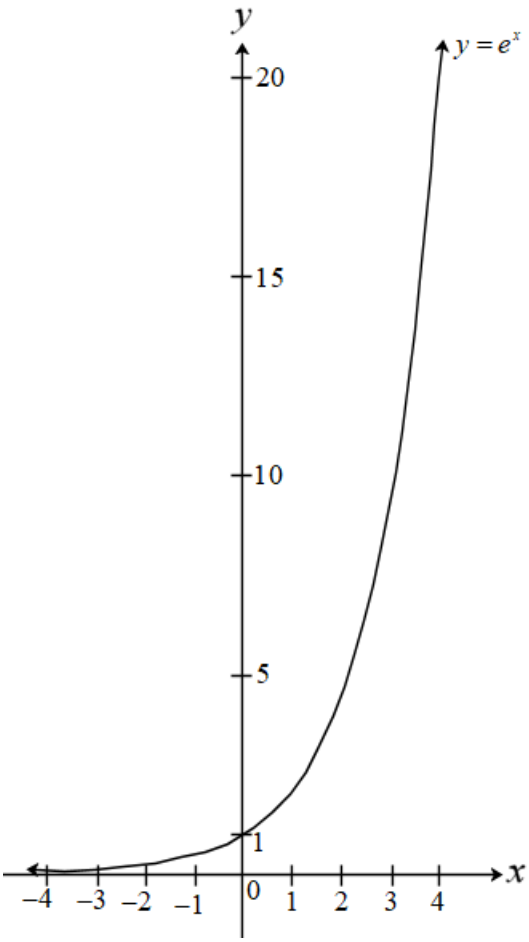
The following diagrams show the graph of the Senior Secondary exponential function $y = e^x$, as well the tertiary level Hyperbolic Function $y = \cosh x$.

It should be noted that the hyperbolic function is defined as;

$$\cosh x = \frac{e^x + e^{-x}}{2}$$

So the graph of $y = \cosh x$ is actually the graph of $y = \frac{e^x + e^{-x}}{2}$

Graph of $y = e^x$



Graph of $y = \cosh x$