

## Section 1: Trigonometric functions and identities

### Crucial points

- 1. You should know the exact values for certain angles**  
You will often need to use exact values of  $\sin \theta$ ,  $\cos \theta$  and  $\tan \theta$  when  $\theta = 0^\circ, 30^\circ, 45^\circ, 60^\circ$  or  $90^\circ$ , not the rounded values from your calculator.
- 2. You must be able to accurately draw trigonometric graphs and know their properties**  
Make sure you can draw accurate sketches of the graphs of  $y = \cos \theta$ ,  $y = \sin \theta$  and  $y = \tan \theta$ , and that you know their symmetries and periodic properties.