

1 Express in radian measure:

- (a) 60° (b) 150° (c) 210° (d) 18° (e) 105°

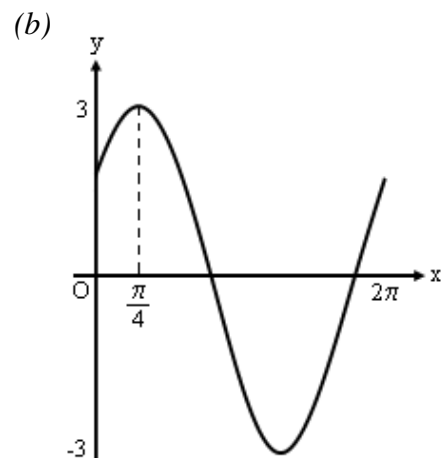
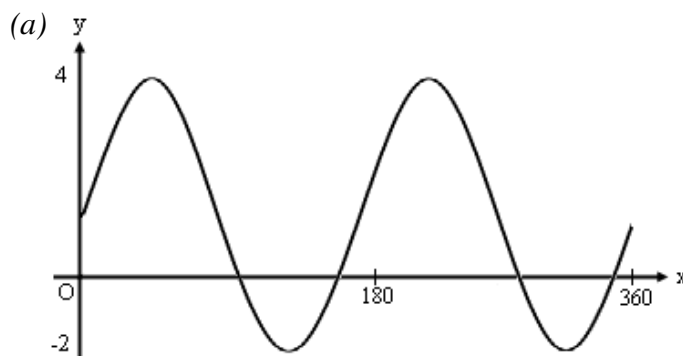
2 Convert to degrees:

- (a) $\frac{3\pi}{4}$ radians (b) $\frac{2\pi}{3}$ radians (c) $\frac{11\pi}{6}$ radians (d) $\frac{\pi}{12}$ radians

3 Write down the maximum and minimum values of these functions:

- (a) $y = 3\sin 2x^\circ$ (b) $y = 2\cos x^\circ + 1$ (c) $y = 2\sin 3x^\circ - 3$

4 Write down the equations of these graphs.



5 Make sketches of these functions showing clearly any important points.

- (a) $y = 2\sin 2x^\circ$ (b) $y = 4\cos x^\circ - 3$
 (c) $y = \sin(x + \frac{\pi}{2})$ (d) $y = 1 - \cos 3x^\circ$