

1 Express in radian measure:

- (a) 90° (b) 120° (c) 320° (d) 15° (e) 75°

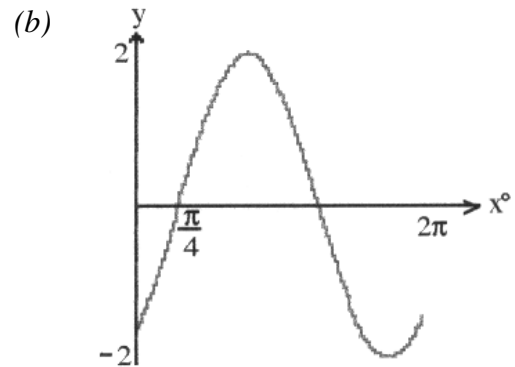
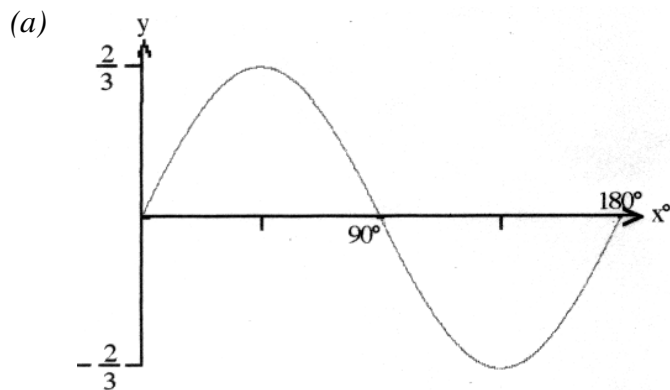
2 Convert to degrees:

- (a) $\frac{3\pi}{2}$ radians (b) $\frac{4\pi}{9}$ radians (c) $\frac{7\pi}{10}$ radians (d) $\frac{\pi}{5}$ radians

3 Write down the
 (i) maximum value,
 (ii) minimum value,
 (iii) amplitude and
 (iv) period of these functions:

- (a) $y = 2\sin 4x^\circ$ (b) $y = 1 - \frac{1}{2}\cos 2x^\circ$ (c) $y = 2\sin(3x + 60)^\circ + 2$

4 Write down the equations of these graphs.



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

- (a) $y = 0.6\sin 3x^\circ$ (b) $y = 2.5\cos x^\circ - 1$
 (c) $y = \tan(x + 60)^\circ$ (d) $y = \sin(2x + 40)^\circ$