

Essential Skills 13 - Answers

1	$x = 30^\circ, 90^\circ, 150^\circ, 270^\circ$
2	$x = 0^\circ, 180^\circ, 360^\circ$
3	$x = 60^\circ, 180^\circ, 300^\circ$
4	$x = 90^\circ$
5	$x = 48.2^\circ, 120^\circ, 240^\circ, 311.8^\circ$
6	$x = 41.4^\circ, 180^\circ, 318.6^\circ$
7	$x = \frac{\pi}{6}, \frac{\pi}{2}, \frac{5\pi}{6}$
8	$x = \frac{\pi}{6}, \frac{5\pi}{6}, 3.34, 6.08$
9	$x = 0, \frac{2\pi}{3}, \frac{4\pi}{3}, 2\pi$
10	$x = \frac{\pi}{3}, \frac{2\pi}{3}, \frac{4\pi}{3}, \frac{5\pi}{3}$
AQ	(i) $y = \cos 2x$ (ii) $y = 1 - 3\cos x$ (iii) $(60^\circ, -\frac{1}{2})$ & $(300^\circ, -\frac{1}{2})$

Online Study Pack

Please give yourself every opportunity for Higher Maths success. Clear, easy to follow, handwritten worked solutions to all Essential Skills worksheets, SQA Past & Practice Papers, Theory Guides, and a wealth of exam focused resources available in the Online Study Pack.

Click Below:

[Higher Maths Study Pack](https://www.highermathematics.co.uk/students/)

<https://www.highermathematics.co.uk/students/>