













2c)
$$tanx(osxs)nx-1=0$$
 [0,360°)
 $\frac{sinx}{cosx} + cosxs + 1 = 0$ $cosx + 1 = 0$
 $sin^2x-1=0$
 $sin^2x=1$
 $sinx=\pm 1$
 $x=90^{\circ},370^{\circ}$
 $cosys=0$

3.b)
$$2\cos^{2}x - 3\sin x - 3 = 0$$
 $2(1-\sin^{2}x) - 3\sin x - 3 = 0$
 $2 - 2\sin^{2}x - 3\sin x - 3 = 0$
 $-2\sin^{2}x - 3\sin x - 1 = 0$ $3\cos^{2}x + 3\sin x + 1 = 0$
 $2\sin^{2}x + 2\sin x + \sin x + 1 = 0$
 $2\sin^{2}x + 2\sin x + \sin x + 1 = 0$
 $2\sin x + (\sin x + 1) + (\sin x + 1) = 0$
 $(2\sin x + (\sin x + 1) + (\sin x + 1) = 0$
 $\sin x = -\frac{1}{2}$ $\sin x = -1$
 $x = \frac{3\pi}{6}$ $x = \frac{3\pi}{2}$

