	3	(i) Show that the equation $\sin \theta + \cos \theta = 2(\sin \theta - \cos \theta)$ can be expressed as $\tan \theta = 3$ .	[2]
		(ii) Hence solve the equation $\sin \theta + \cos \theta = 2(\sin \theta - \cos \theta)$ , for $0^{\circ} \le \theta \le 360^{\circ}$ .	[2]