11.	(a)	Express $\cos x^{\circ} + \sqrt{3} \sin x^{\circ}$ in the form $k \cos(x-a)^{\circ}$ , where $k > 0$ and $0 < a < 360$ .	4

(b) Hence, or otherwise, sketch the graph with equation 
$$y = \cos x^{\circ} + \sqrt{3} \sin x^{\circ}$$
,  $0 < x < 360$ 

 $0 \le x \le 360$ .