

## Sine, Cosine and Tangent (c) Solutions

1. (i)  $A = 36.87^\circ$   
(ii)  $B = 48.59^\circ$   
(iii)  $C = 22.62^\circ$   
(iv)  $D = 27.04^\circ$   
(v)  $E = 17.46^\circ$   
(vi)  $F = 46.40^\circ$

2. (i)  $G = 48.19^\circ$   
(ii)  $H = 39.72^\circ$   
(iii)  $I = 66.04^\circ$   
(iv)  $J = 45^\circ$   
(v)  $K = 77.05^\circ$   
(vi)  $L = 60^\circ$   
(vii)  $M = 30.96^\circ$   
(viii)  $N = 53.58^\circ$

3.  $\alpha = 48.2^\circ$