

Cosine Rule Solutions

1. (i) $a = 4.58$
(ii) $b = 15.73$
(iii) $c = 78.2$
(iv) $d = 20.91$
(v) $e = 13.68$
(vi) $f = 14.83$
2. (i) $A = 88^\circ$
(ii) $B = 59^\circ$
(iii) $C = 72^\circ$
(iv) $D = 65^\circ$
(v) $E = 96^\circ, F = 35^\circ$
(vi) $G = 78^\circ, H = 45^\circ$
3. (i) $x = 21.25, y = 36.48$
(ii) $x = 12.86, y = 13.78$
(iii) $X = 49^\circ, Y = 40^\circ$