Question 4 – 3:

4(a)	7.06 or 7.058… or 7.059	3	**M2** for $\sqrt{6.4^2 + 10.9^2 - 2 \times 6.4 \times 10.9 \times \cos 38}$ oe OR **M1** for $6.4^2 + 10.9^2 - 2 \times 6.4 \times 10.9 \times \cos 38$ oe **A1** = 49.8…
4(b)(i)	97	1	
4(b)(ii)	15.3[0…]	3	**M2** for $[AB =] \dfrac{10.9 \times \sin their\ 97}{\sin 45}$ or **M1** for $\dfrac{\sin their\ 97}{AB} = \dfrac{\sin 45}{10.9}$ oe
4(c)	72.8 to 72.81…	3	**M2** for $\dfrac{1}{2}(6.4) \times 10.9 \times \sin 38 + \dfrac{1}{2} their\ 15.3 \times 10.9 \times \sin 38$ oe or **M1** for $\frac{1}{2} \times 6.4 \times 10.9 \times \sin 38$ oe or $\frac{1}{2} \times their 15.3 \times 10.9 \times \sin 38$ oe or **M1** for height $= 10.9 \times \sin 38$ oe