

## Question 5 – 5:

5(a)	27[.0] or 26.97... nfw	3	<b>M2</b> for $[\cos =] \frac{8.6^2 + 9.7^2 - 4.4^2}{2 \times 8.6 \times 9.7}$ or <b>M1</b> for implicit form
5(b)	9.19 or 9.192 to 9.193	4	<b>B1</b> for [angle $BCD =$ ] 73 seen <b>M2</b> for $\frac{9.7 \times \sin 65}{\sin (180 - 65 - 42)}$ oe or <b>M1</b> for $\frac{\sin(180 - 65 - 42)}{9.7} = \frac{\sin 65}{DC}$ oe
5(c)	6.15 or 6.149 to 6.151...	3	<b>M2</b> for $\frac{d}{\text{their } 9.19} = \sin 42$ oe or <b>M1</b> for right angle between line from $C$ to $BD$ and $BD$ soi