## Question 10 – 4:

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|---|---|---|---|
| 10(a) | 20.8 or 20.76 to 20.79 | **4** | **B3** for [$BC$ =] 10.4 or 10.38 to 10.39… or $6\sqrt{3}$ oe<br>or **M2** for $(2x)^2 + x^2 + 6^2 = 24^2$ oe<br>or **M1** for $24^2 - 6^2$ oe or $x^2 + 6^2$ oe or $(2x)^2 + 6^2$ oe, or $x^2 + (2x)^2$ oe<br>or **SC2** for final answer of $12\sqrt{5}$ or 26.8 or 26.83…<br>OR<br>**M3** for $x^2 + \left(\frac{x}{2}\right)^2 + 6^2 = 24^2$ oe<br>or **M2** for $x^2 + \left(\frac{x}{2}\right)^2$<br>or **M1** for $x^2 + 6^2$ oe or $\left(\frac{x}{2}\right)^2 + 6^2$ oe or $24^2 - 6^2$ oe |

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| 10(b) | 14.5 or 14.47 to 14.48 | **3** | **M2** for $\sin[\ldots] = \frac{6}{24}$ oe<br>or **M1** for recognising the correct angle $GAC$ |