| 5 (a) | | heights of the members of a club are normally distributed with mean 166cm and standard iation 10cm. |
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| | (i) | Find the probability that a randomly chosen member of the club has height less than 170 cm. [2] |
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| | (ii) | Given that 40% of the members have heights greater than $h \text{cm}$, find the value of h correct to 2 decimal places. [3] |
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| (| Given that $\sigma = \frac{2}{3}\mu$, find the probability that a randomly chosen value of <i>X</i> is positive. [3] |
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