

QUESTION 2.8

(a) $\frac{48 + 2p}{10} = 5.6$ (M1)

Notes: Accept equivalent forms.
Award (M1) for correct substitutions in mean formula.

4 (A1) (C2)

(b) **Correctly** rearranging the list with their p (M1)

5.5 (A1)(ft) (C2)

Note: Follow through from their value of p in part (a).

(c) $\frac{56 + x}{11} = 6.0$ (M1)

Notes: Accept equivalent forms.
Award (M1) for correct substitutions in mean formula.

OR

$\frac{48 + 2 \times \text{their part (a)} + x}{11}$ (M1)
10 (A1)(ft) (C2)

Note: Follow through from their answer to part (a).

[6 marks]