

| Question | | Working | Answer | Mark | Notes |
|----------|-----|--|----------------|------|---|
| 1 | (a) | $\frac{230-180}{180} \times 100$ or $\frac{230}{180} \times 100 - 100$ oe | | 2 | M1 Correct method to find percentage profit award for 28% with no incorrect working seen the $\times 100$ or -100 may be inferred eg $127.8\% \Rightarrow 27.8\%$ implies -100 |
| | | | 27.8(%) | | A1 accept awrt 27.8 |
| | (b) | $203 \div 1.16$ or $203 \div 116 \times 100$ oe | | 2 | M1 Fully correct method to find the cost price allow for $\frac{203-x}{x} = 0.16$ oe do not allow $203 \div (1+16\%)$ or $203 \div 116\%$ without further correct working or a correct answer. |
| | | | (\$) 175 | | A1 cao |
| | (c) | Use of 12 hrs 48 mins = 12.8 hrs or 768 mins | | 3 | B1 Convert time to hours or minutes only, accept $\frac{64}{5}$ |
| | | $860 \times "12.8"$ or $\frac{860}{60} \times "768"$ | | | M1 for use of time \times distance (allow use of their time eg 12.48) |
| | | | 11 008 (km) | | A1 allow an answer of 11 000 from correct working |
| | (d) | $91\,750 \div 3.67$ | | 2 | M1 Correct method to find cost in dollars |
| | | | (\$) $25\,000$ | | A1 cao |
| | | <i>Correct answers scores full marks (unless from obviously incorrect working)</i> | | | Total 9 marks |