| | | | | | |
|---|---|---|---|---|---|
| **8** | | $8^2 + 15^2$ (= 289) | | 5 | M1 |
| | | $\sqrt{8^2 + 15^2}$ (=17) | | | M1 |
| | | $\pi \times \left("\frac{17}{2}"\right)^2$ (= 226.98...) **or** 0.5 × 15 × 8 (= 60) | | | M1 |
| | | $\pi \times \left("\frac{17}{2}"\right)^2$ – 0.5 × 15 × 8<br>( "226.98" – "60") | | | M1 |
| | | | 167 | | A1 Accept answers which round to 167 |
| | | | | | **Total 5 marks** |

| | | | | | |
|---|---|---|---|---|---|
| **9** | | | $2^4 \times 3^2 \times 5^4 \times 11 \times 13$ | 2 | B2 (B1 for 12 870 000 or correct unsimplified product or $2^m \times 3^n \times 5^p \times 11 \times 13$ with at least 1 of *m*, *n* or *p* correct or for $2^4 \times 3^2 \times 5^4$) |
| | | | | | **Total 2 marks** |