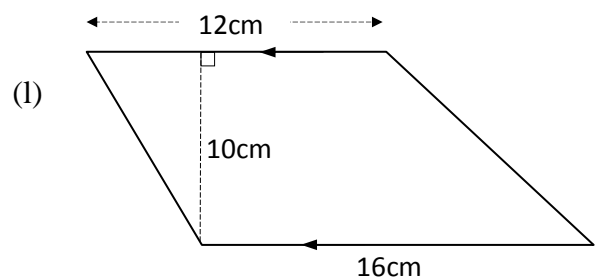
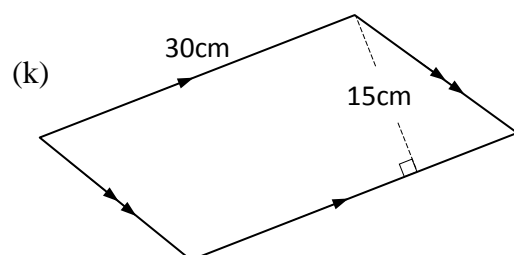
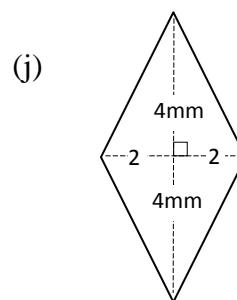
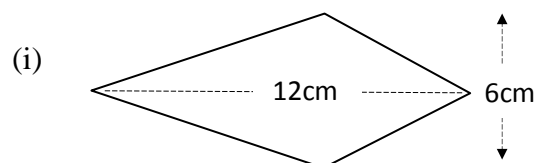
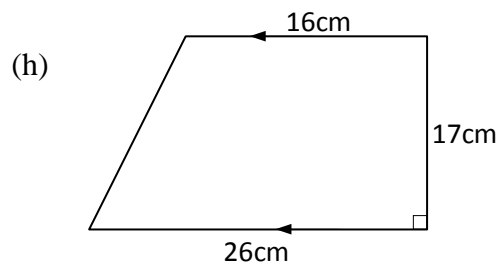
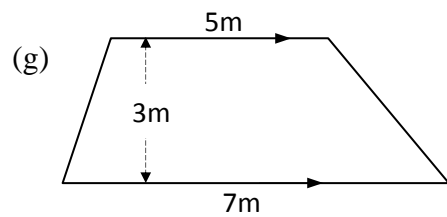
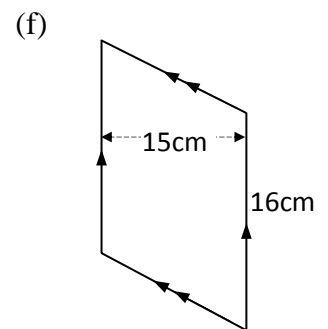
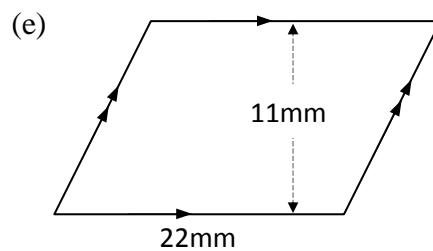
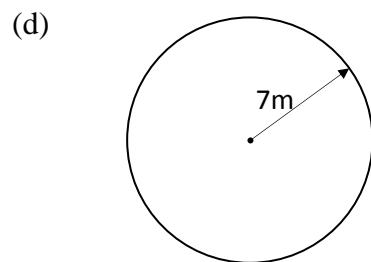
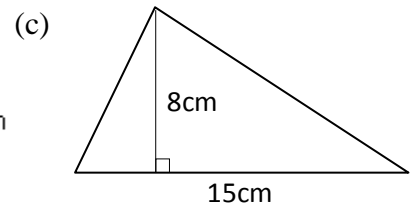
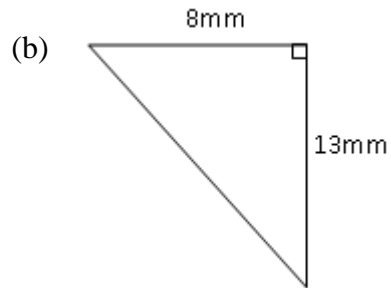


National 4 Mathematics: Homework 4

§ 1 Area of Quadrilaterals

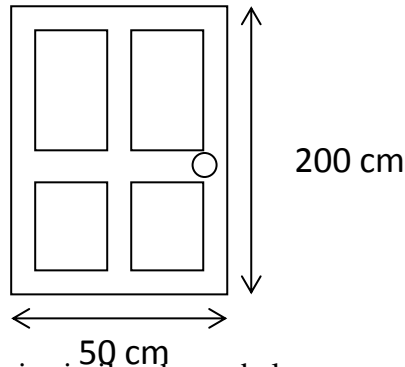
1 Calculate the area of the following shapes



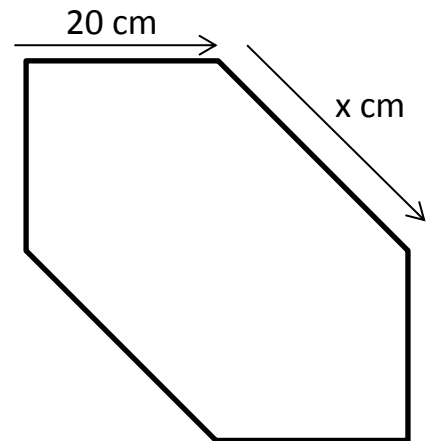
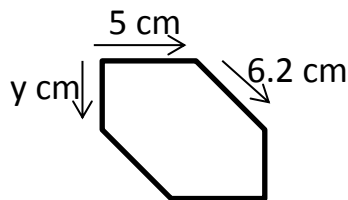
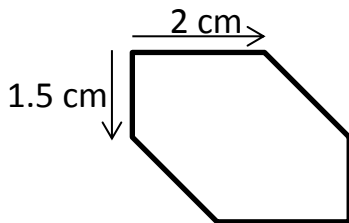
National 4 Mathematics: Homework 4

§ 2 Similarity

- 1 Make a scale drawing of this door using a scale of **1 cm to 20 cm**.



- 2 Calculate the missing side in similar shapes below



§ 3 Mixed

- 1 Shelley scored 17 out of 25 in an English test. Write her score as a percentage.
- 2 Use the formula below to find the value of S when $n = 6$.

$$S = \frac{n^2 + 3n}{4}$$

- 3 Calculate (show all your working).

a) $2\frac{5}{8} + \frac{3}{4}$

b) $5\frac{7}{9} - 2\frac{1}{2}$

- 4 Calculate (show all your working).

$$2\frac{5}{8} \times 1\frac{3}{7}$$