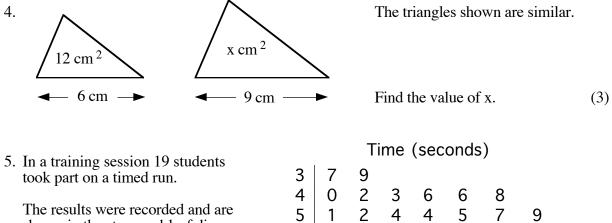
HOME EXERCISE 11

Set out carefully all appropriate working.

Do not use a calculator in any questions.

- $3600 600 \times 4$ 1. Evaluate: (3) 38 + 22
- $(x+2)(x^2+3x-5)$ 2. Remove the brackets and simplify: (2)
- 3. Solve the equation:

$$(x+3)^{2} = (x+5)(x-1)$$
(5)



6

0

The results were recorded and are shown in the stem-and-leaf diagram.

> 37 19 3 7 n = =

7

(a) Make a five figure summary of the data. (4)(b) Construct a boxplot to illustrate this information. (scale below) (2)(c) Calculate the semi-interquartile range. (1)

2

5

Time

