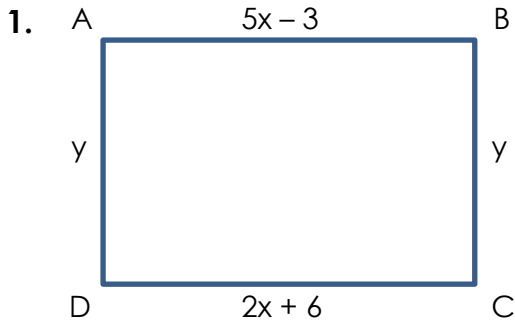


Name: _____

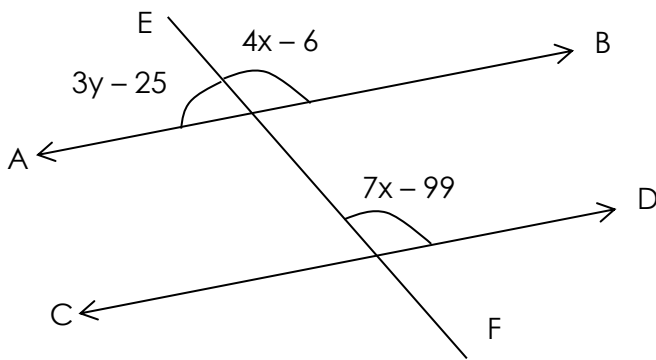
YEAR 11 MINI-ASSESSMENT 7
HIGHER – FORMING AND SOLVING EQUATIONS



The area of rectangle ABCD is 96cm^2 .
Find the value of y .

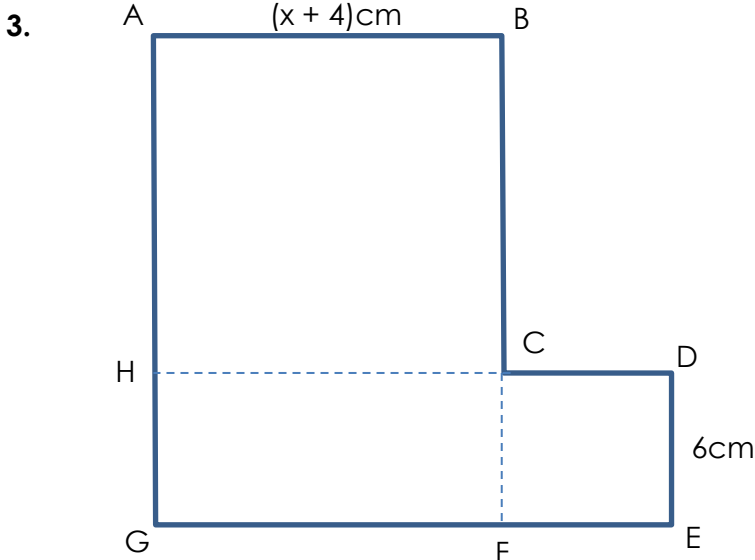
[4 marks]

2.



AB, CD and EF are all straight lines.
AB is parallel to CD.
Find the values of x and y .
(The diagram is not drawn accurately).

[5 marks]



ABCH and CDEF are squares.
CFGH is a rectangle.
The shapes are put together to form
an L shape.

(a) Show that the total area of the
L shape can be given by
 $x^2 + 14x + 76$

(b) Given that the area of the L
shape is 252cm^2 , find the
perimeter of the L shape.

The shape is not drawn accurately.

[6 marks]