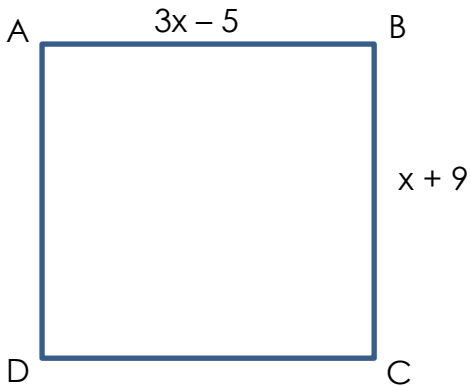


Name: \_\_\_\_\_

**YEAR 11 MINI-ASSESSMENT 18**  
**HIGHER – FORMING AND SOLVING EQUATIONS**

1.

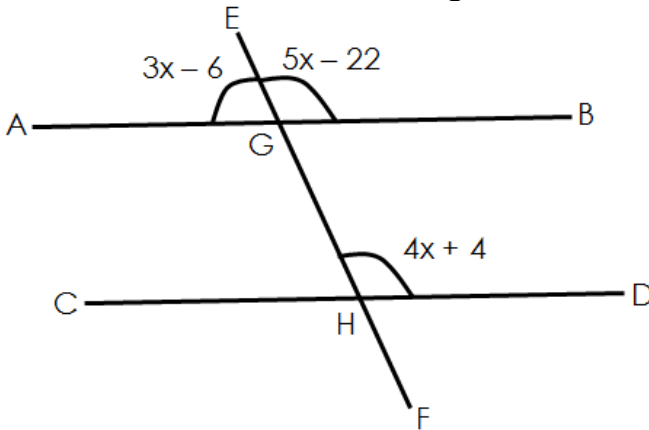


ABCD is a square.  
Find its area and perimeter.

**[5 marks]**

2. AB, CD and EF are straight lines. All angles are in degrees.

Show that AB is parallel to CD.



**[5 marks]**

3. A cuboid has a width of  $x$  cm. Its height is 2cm shorter than its width.  
Its length is three times its height. It has a total surface area of  $174\text{cm}^2$ .  
By forming and solving an equation, find the value of  $x$ .

**[6 marks]**