

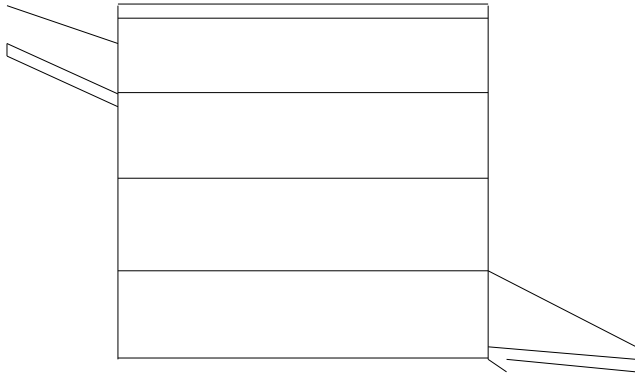
NAME _____ INDEX NUMBER _____

SCHOOL _____ DATE _____

COMMON SOLIDS AND NETS

KCSE 1989 – 2012 Form 1 Mathematics Answer all the questions	Working space
<p>1. 1997 Q 10 P2 On the surface of a cuboid ABCDEFGH a continuous path BFDHB is drawn as shown by the arrows below.</p> <div style="text-align: center;"> </div> <p>(a) Draw and label a net of cuboid (b) On the net show the path</p>	
<p>2. 1999 Q 8 P2 The figure below shows a solid made by passing two equal regular tetrahedral.</p> <div style="text-align: center;"> </div> <p>(a) Draw a net of the solid (b) If each face is an equilateral triangle of side 5cm, find the surface area of the solid</p>	Working space
<p>3. 2001 Q 5 P2</p>	

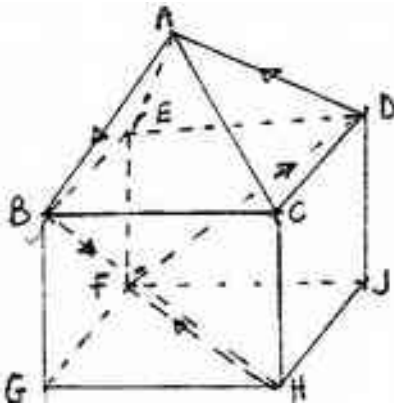
The figure below shows a net of a prism whose cross - section is an equilateral triangle.



- a) Sketch the prism
- b) State the number of planes of symmetry of the prism.

4. **2002 Q 6 P2**

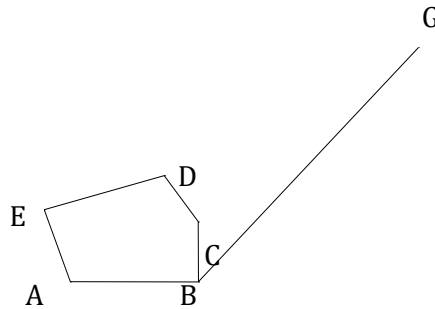
The figure below represents a square based solid with a path marked on it.



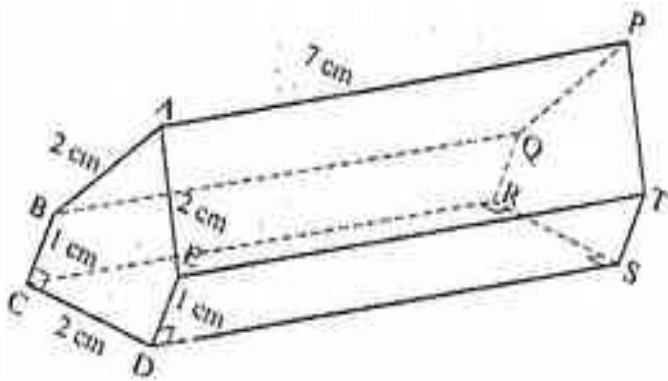
Sketch and label the net of the solid.

5. **2004 Q 11 P2**

In the figure below ABCDE is a cross-section of a solid. The solid has uniform cross-section. Given that BG is a base edge of the solid, complete the sketch, showing the hidden edges with broken lines.

6. **2005 Q 15 P2**

The figure below represents a prism of length 7 cm $AB = AE = CD = 2$ cm and $BC - ED = 1$ cm

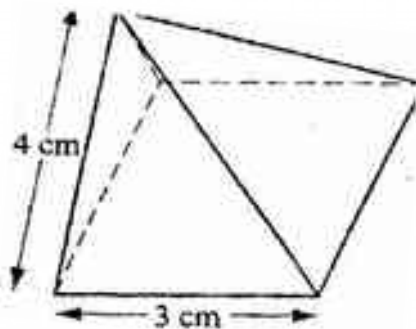


Draw the net of the prism

(3 marks)

7. **2006 Q 13 P1**

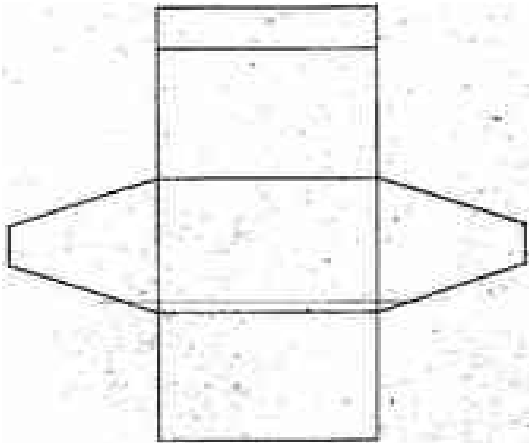
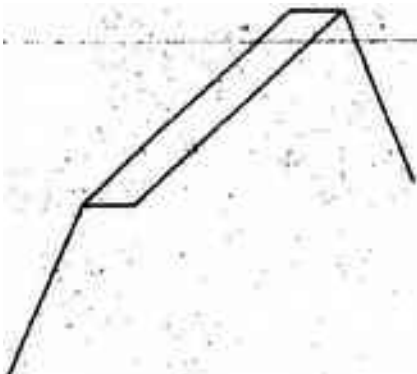
The diagram below represents a right pyramid on a square base of side 3 cm. The slant of the pyramid is 4 cm.

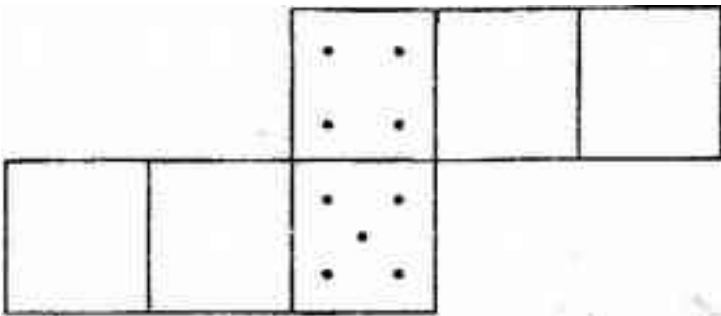


(a) Draw a net of the pyramid

(2 marks)

	<p>(b) On the net drawn, measure the height of a triangular face from the top of the Pyramid (1 mark)</p>	<p>Working space</p>
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<p>8.</p>	<p>2008 Q 5 P1 The figure below shows a net of a solid</p>  <p>Below is a part of the sketch of the solid whose net is shown above. Complete the sketch of the solid, showing the hidden edges with broken lines. (3 marks)</p> 	
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<p>9.</p>	<p>2010 Q 9 P1 The figure below is a net of a cube with some dots on two faces.</p>  <p>Given that the number of dots on pairs of opposite faces</p>	
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	adds up to 7, fill in appropriate dots in each of the empty faces. (2 marks)	
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