Construction (Geometry)

1. Use ruler and compasses to **construct** an angle of 30° at point P.
You **must** show all your construction lines

2. In the space below, use ruler and compasses to **construct** an equilateral triangle
withsides of length 6 centimetres.You must show all construction lines.
One side of the triangle has already been drawn for you.

3. (a) Helen says, "It is impossible to draw a triangle with **exactly two** acute angles".
Draw a triangle that shows that Helen is wrong.
b. (b) Troy says "It is impossible to draw a triangle with two obtuse angles".
Explain why Troy is right.

4. (a) Using a ruler and compasses only, construct an angle of 60°.
Show all your construction lines and arcs.

5. Construct a triangle of side lengths 4cm, 5cm and 6cm.

6. Construct a square of side length 5cm.