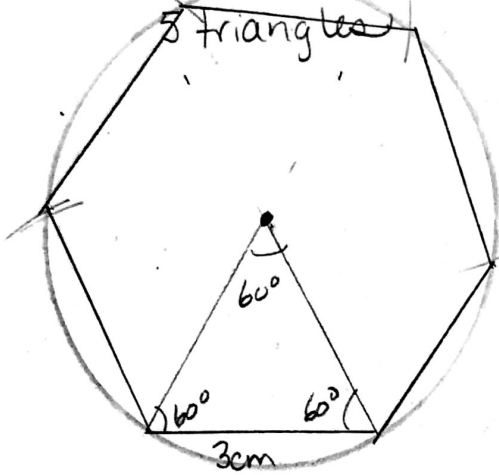


Lesson 41 constructions

7. a) Construct a regular pentagon with 3cm sides

~~e)~~ Construct a regular hexagon with 2cm sides



Step 1 Δ

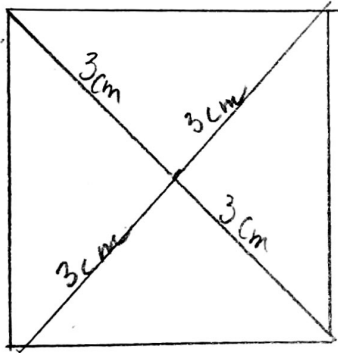
Step 2 draw circle

step 3 put little marks with protractor

step 4 trace pentagon

b) Construct a square with diagonals of 6cm

~~d)~~ Construct a regular octagon with 2.5cm sides



8. Using a circle determine the central angle needed to construct:

a) A regular decagon:

$$\frac{360}{10} = 36$$

b) A square:

$$\frac{360}{4} = 90$$

c) A regular pentagon:

$$\frac{360}{5} = 72$$

9. Using this circle with centre O:

a) Construct a regular pentagon.

~~b)~~ Use the dilatation method to reduce this pentagon so that its sides measure 2cm.

