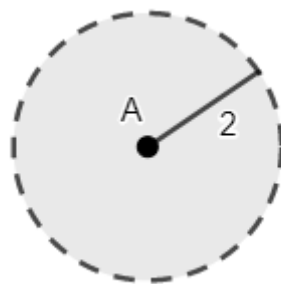


- (1) Draw the point A. Shade the locus of points less than 3cm from A
- (2) Draw the point B. Shade the locus of points more than 4cm from B but less than 5cm from B.
- (3) Draw the line CD of length 6cm. Shade the locus of points less than 5cm from C and less than 2cm from D
- (4) Draw the line EF of length 7cm. Shade the locus of points more than 4cm from E but less than 4cm from F
- (5) Draw the line GH of any length. Shade the locus of points closer to H than G
- (6) Draw the line IJ of length 9cm. Shade the region closer to J than I and more than 6cm from I
- (7)\* Draw the line KL of length 8cm. Find the point that is equidistant from K and L and between 6cm and 7cm from L
- (8) M and N are radio masts that are 5km away. The signal from Mast M covers an area of radius 4km and Mast N 3km. Shade the region where there is no signal. Use the scale 1cm = 1km
- (9) A horse is tied to a rope in the corner of a rectangular fenced field measuring 30m by 50m. The length of the rope is 40m. Using the scale 1cm = 10m, show where the horse can roam in the field.
- (10)\* Shade the locus of points that are more than 6cm but less than 8cm from the point O and on a bearing of  $070^\circ$
- (11)\* P and Q are 2 points. Find the point that is equidistant from P and Q and on a bearing of  $050^\circ$  from P
- (12)\* M is the path that is on a bearing of  $120^\circ$  from N and between 4 and 5cm from N. Show M on a diagram.
- (13) Describe fully the locus represented below



- (14) Describe fully the locus represented below

