

Examples

Workout



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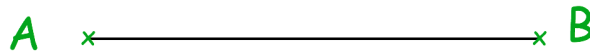
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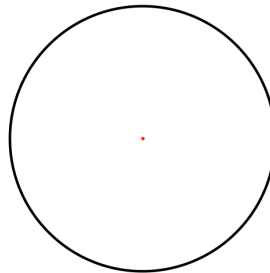
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*There is a template for questions 1 and 5 at the end of this exercise if preferred.

- Question 1: (a) Sketch the diagram below.
(b) Using a ruler and compasses, construct the equilateral triangle ABC



- Question 2: DEF is an equilateral triangle with side length 5cm.
Construct triangle DEF.
- Question 3: Construct an equilateral triangle with side length of 8cm.
- Question 4: ABC is an equilateral triangle with side length 9cm.
(a) Construct ABC
(b) Construct the perpendicular bisector of the line AB
(c) Construct the perpendicular bisector of the line BC
(d) Label the point where the two perpendicular bisectors met, D.
- Question 5: Use a ruler and compasses to construct a regular hexagon that is inscribed in the circle below.



- Question 6: (a) Using compasses, draw a circle with radius 5cm.
(b) Construct a regular hexagon that is inscribed in the circle.
- Question 7: Construct a regular hexagon with side length of 6cm.

Constructions: Further 2
Videos 73, 74 on www.corbettmaths.com

Answers



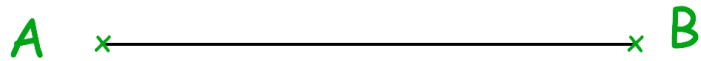
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Templates

Question 1:



Question 5:

