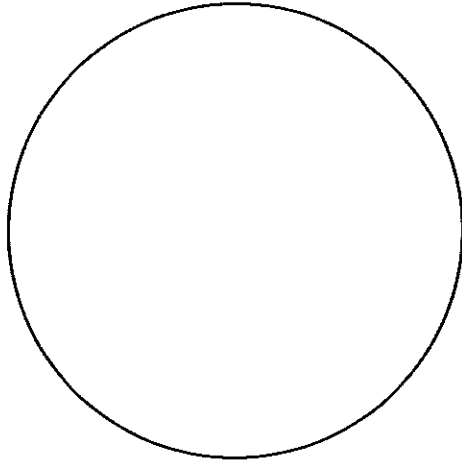


Test Yourself Chapter 9 Geometrical constructions

Name: _____

All Multiple Choice

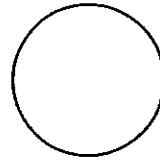
1 The radius of the circle drawn is:



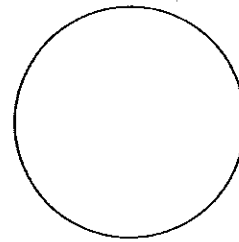
- A 2 cm
- B 3 cm
- C 4 cm
- D 6 cm

2 Which of the circles drawn below has a diameter of 3 cm?

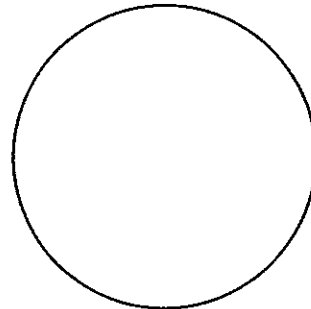
A



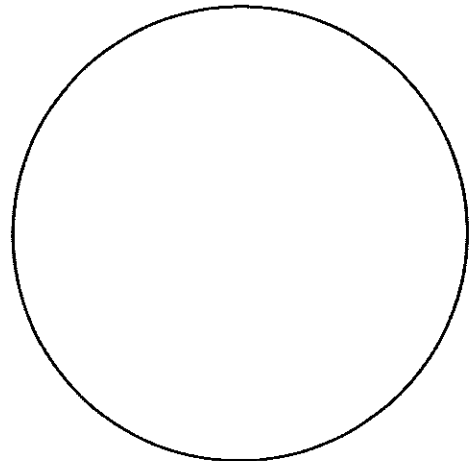
B



C



D

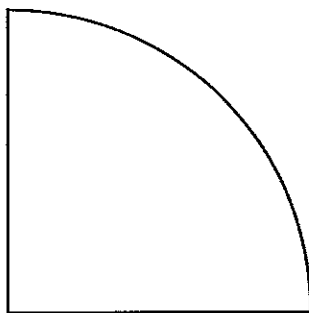


3 The figure drawn below is:



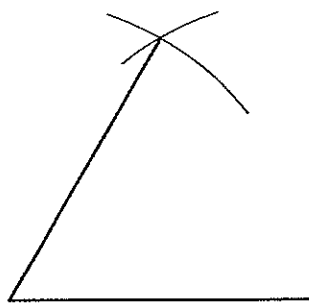
- A a semicircle with a 4 cm diameter
- B a semicircle with a 4 cm radius
- C a quadrant with a 4 cm diameter
- D a quadrant with a 4 cm radius.

4 The figure drawn below is:



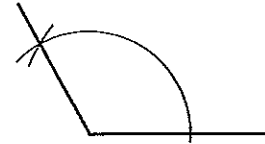
- A a semicircle with a 4 cm diameter
- B a semicircle with a 4 cm radius
- C a quadrant with a 4 cm diameter
- D a quadrant with a 4 cm radius.

5 The figure below shows:



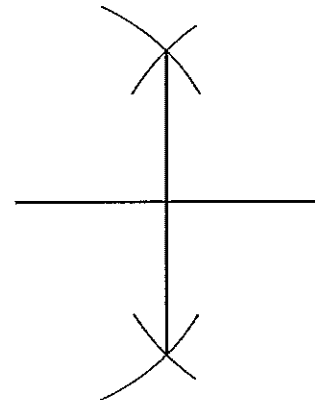
- A construction of a right angle
- B bisection of an angle
- C construction of a 60° angle
- D copying of an angle.

6 The figure below shows:



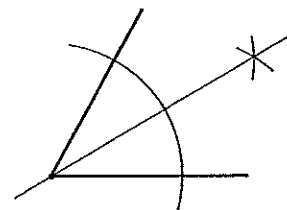
- A construction of a right angle
- B bisection of an angle
- C construction of a 60° angle
- D copying of an angle.

7 The figure below shows:



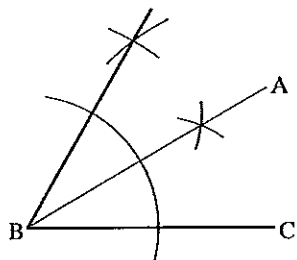
- A construction of a right angle
- B bisection of an angle
- C construction of a 60° angle
- D copying of an angle.

8 The figure below shows:



- A construction of a right angle
- B bisection of an angle
- C construction of a 60° angle
- D copying of an angle.

- 9 Jamie constructs $\angle ABC$ below.



The size of $\angle ABC$ is

- A 30°
 B 45°
 C 60°
 D 90°
- 10 Kylie is asked by her teacher to construct a number of triangles having been given all three side lengths. Which of these triangles is it NOT possible to construct?
- A 3 cm, 4 cm, 2 cm
 B 2 cm, 4 cm, 5 cm
 C 3 cm, 8 cm, 4 cm
 D 4 cm, 5 cm, 7 cm

- 11 Which of the following triangles is it possible to construct using only a ruler and a pair of compasses?
- A Sides 4 cm, 5 cm and an included angle of 80° .
 B Side 6 cm with angles 60° and 50° made to this side.
 C Sides 5 cm, 8 cm and 4 cm.
 D All of the above
- 12 Trent is asked by his teacher to construct a number of triangles having been given one side length and two angles. Which of these triangles is it NOT possible to construct?
- A 3 cm, 80° , 120°
 B 2 cm, 40° , 120°
 C 3 cm, 80° , 90°
 D 4 cm, 40° , 20°

..Test Yourself answers\MQ7 NSW Ch09 TY ans.doc