

Board – CBSE

Class – VII

Topic: Practical Geometry

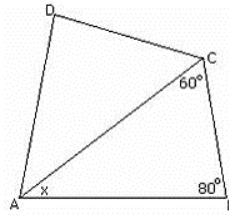
1. In the given figure find the value of  $x$ .

a)  $50^\circ$

b)  $40^\circ$

c)  $30^\circ$

d)  $45^\circ$



2. Which statement is true in the

(A) Opposite vertically angles are not equal.

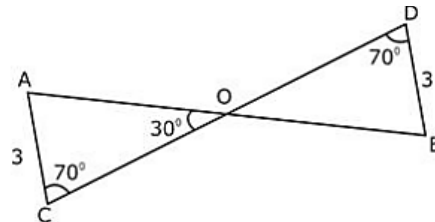
(B) Angle sum property hold in triangle.

(C) Sum of two sides of a triangle less than the third side.

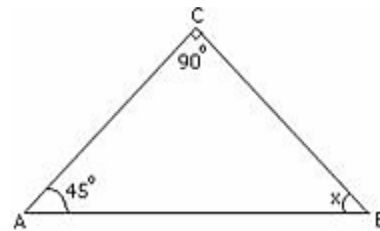
(D) None of these

following statements?

3. In the given figure find the angle DBO.



4. Find the measure angle of  $x$  in the given triangle.

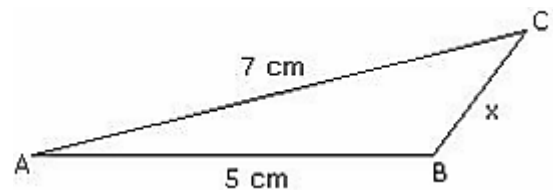


5. How many circles can be drawn from one centre?

6. In triangle DEF angle E = angle F Which of its two sides are equal?

7. Draw a line, say AB, take a point C outside it. Through C, draw a line parallel to AB using ruler and compass only.

8. The perimeter of the given triangle is 14 cm, then find the value of  $x$ .



9. Construct a  $\triangle ABC$  in which  $AC = CB = 4$  cm and  $B = 45^\circ$ . Is this a right -angled triangle?

10. A ladder 17m long when set against the wall of a house just reaches a window at a height of 15m from the ground. How far is the lower end of the ladder from the base of the wall?

11. The in-centre of a triangle lies in the ..... of the triangle.