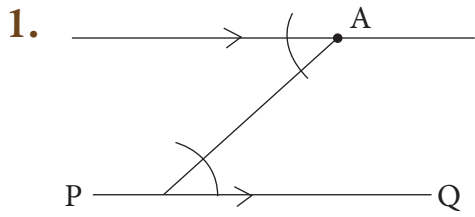


Constructions

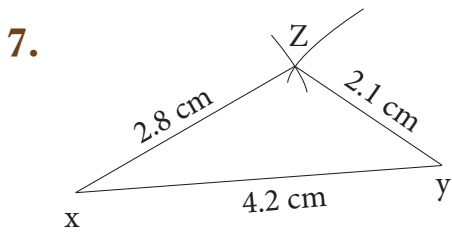
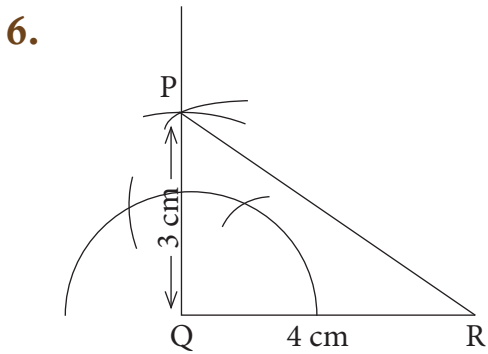
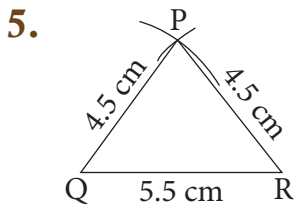
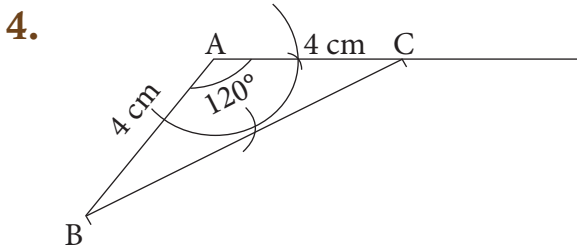
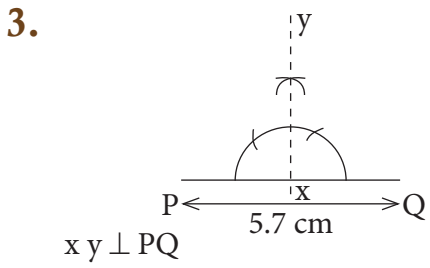
- Q1.** Construct a line parallel to a line from a point A outside it.
- Q2.** Which of the following angles can be constructed using compass?
- 75°
 - 25°
 - 35°
 - 50°
- Answer: _____
- Q3.** Draw a line segment $PQ = 5.7$ cm and draw a perpendicular at a point X on it.
- Q4.** Construct an isosceles triangle ABC with one equal side 4 cm and vertical angle 120° .
- Q5.** Construct an isosceles triangle PQR whose base is 5.5 cm and equal sides are 4.5 cm.
- Q6.** A triangle PQR is formed by joining the diagonals of a rectangle having length 3 cm and breadth 4 cm. Construct a triangle congruent to the triangle stated above. (Hint: Each angle of a rectangle is a right angle.)
- Q7.** Construct a scalene triangle XYZ whose measures of the sides are in the ratio $3 : 6 : 4$ and the perimeter of the triangle is 9.1 cm.
- Q8.** Construct an equilateral triangle DEF whose perimeter is 10.5 cm.

- Q9. Construct a circle passing through three points J, K and L, such that $JK = KL = 4$ cm and the angle between them is 45° .**
- Q10. Construct the incircle of an equilateral triangle LMN whose sides are 4.5 cm each.**

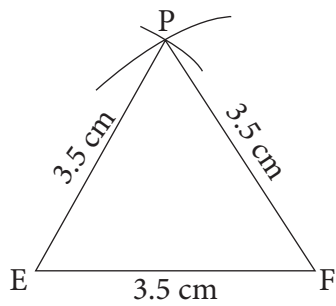
Answers



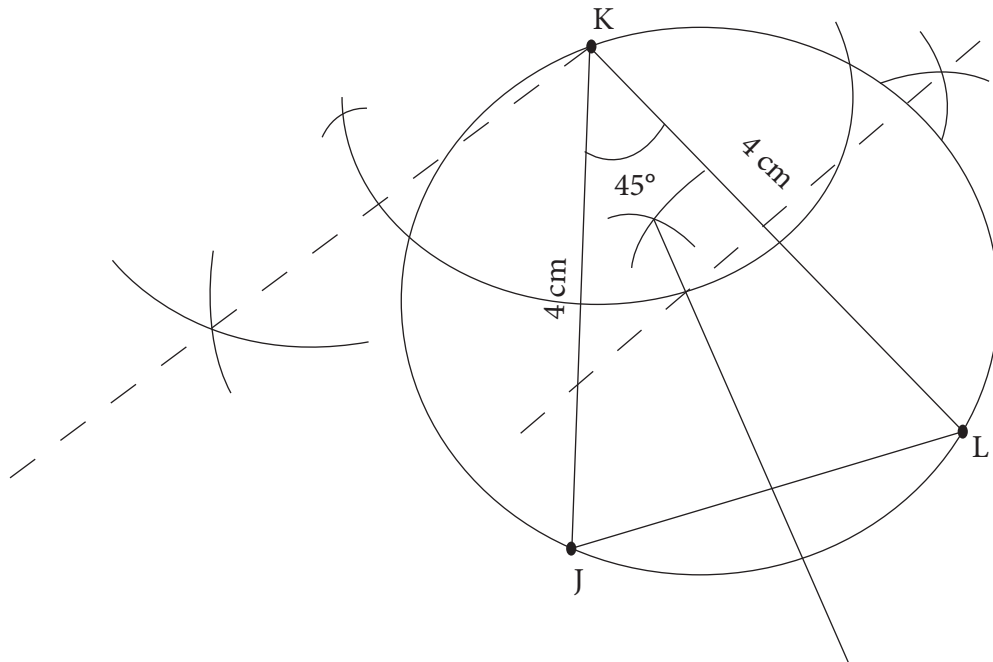
2. (a)



8.



9.



10.

