Assignment 8

Showqeen Yousuf

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- **Question 2.15:**

  Construct a triangle DEF such that $DE = 5, DF = 3, \angle D = 90°$.
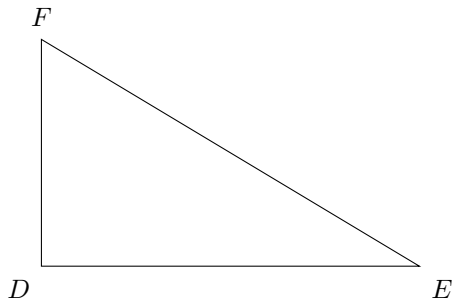
- **Solution:**

Given, DE=5, DF=3, ∠D=90°.

Now,

Steps of Construction.

1: Draw a line segment DE=5 cm.

2: Starting from point D, draw another line segment DF=3 cm such that ∠EDF=90°.

3: Join EF and we'll get the required rt ∠ed triangle.

Question 2.16:

Construct an isosceles triangle in which the length of the equal sides is 6.5 and the angle between them is 110°.

Solution:

Given, length of equal sides 6.5, and angle between them is 110°.

Now,

Steps of Construction.

1: Draw a line segment AB=6.5 cm.

2: Starting from point B, draw another line BC=6.5 cm such that ∠ABC=110°.

3: Join AC and we get required isosceles triangle.