

01

ΔABC , $AB = BC = 29$ cm and $AC = 42$ cm. What is the area of ΔABC ?

Your solution here:

02

The number N is a two digit numbers.
When ' N ' is divided by 9 leaves a remainder 1.
When ' N ' is divided by 10 leaves a remainder 3.
What is the remainder when ' N ' is divided by 11 ?

Your solution here:

03

What is the smallest whole number larger than are perimeter of any triangle with the sides of length 5 cm and side of 19 cm.

Your solution here:

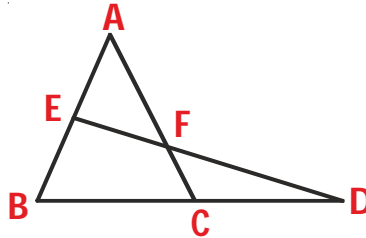
04

In triangle ABC, AD is drawn perpendicular to BC. If DC is greater than BD, show that AC is greater than AB.

Your solution here:

05

In the following diagram, $AB = AC$. Prove that $AF > AE$.

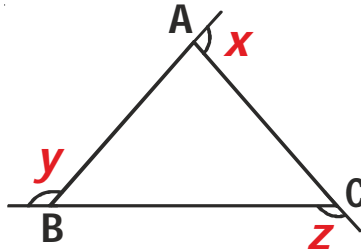


Your solution here:

06

The following figure shows a triangle ABC with exterior angles as x , y and z .

- (i) If $AB > AC > BC$; arrange the angles x , y and z in ascending order of their values.
- (ii) In the same figure, if $y > x > z$; arrange sides AB , BC and AC in descending order of their lengths.



Your solution here: