Answer on Question #80782 – Math – Geometry

Question

If AB=4x+9,BC=5+2,and AC=56 find the measure of AB and BC

Given:

AB=4x+9

BC=5+2

AC=56

Find AB and BC

Solution

The straight segment AC is divided into segments AB and BC.

Then

AC=AB+BC;

56=4x+9+(5+2);

4x=56-9-5-2=40;

x=10;

AB=4*10+9=49;

BC=5+2=7.

Answer:

measure of AB= 49;

measure of BC= 7 .

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Given:

AB=4x+9

BC=5x+2

AC=56

Find AB and BC

Solution

The straight segment AC is divided into segments AB and BC.

Then

AC=AB+BC;

56=4x+9+(5x+2);

9x=56-9-2=45;

x=5;

AB=4*5+9=29;

BC=5*5+2=27.

Answer:

measure of AB= 29;

measure of BC= 27