CONSTRUCTION OF 60^0 USING RULER AND PENCIL ONLY

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CERTIFICATE

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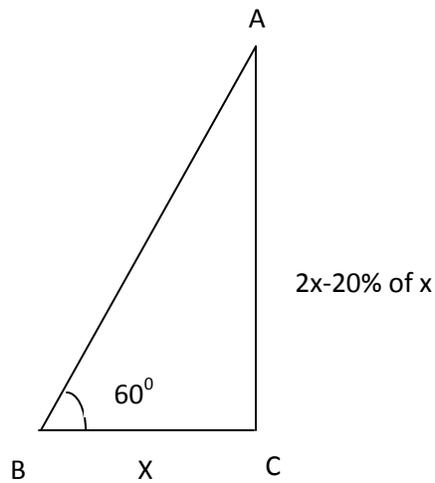
Date:13/01/2011

ABSTRACT:

Here I am presenting the construction of an angle of 60^0 without using a compass or a protractor.
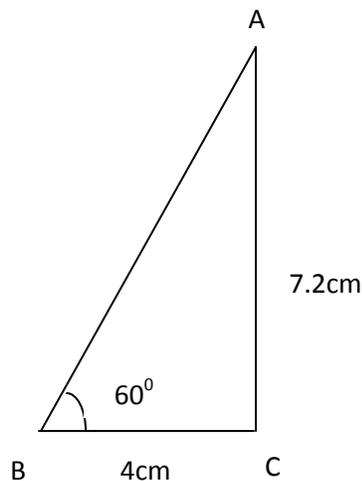
Steps of construction:

1.   Draw a line segment BC = x cm.

2.   Draw a perpendicular AC at C with AC=2x-20% of x.

3.   Join AB. Then   ABC=60^0

A

2x-20% of x

60^0

B   X   C

   Example :

1.   Draw a line segment BC = 4 cm.

2.   Draw a perpendicular AC at C with AC=2 x 4 -20% of 4=8-0.8=7.2

3.   Join AB. Then   ABC=60^0

A

7.2cm

60^0

B   4cm   C

REFERENCE:

Self done