

Congruence and Similarity

Quick Review

A. Basic Geometry of a Triangle

A triangle has 3 vertices, 3 sides and 3 angles. In $\triangle ABC$ we have:

- (i) Vertices are A, B and C.
- (ii) Sides are AB, BC and CA.
- (iii) Angles are $\angle A$, $\angle B$ and $\angle C$.

Note: The internal angle sum in the figure can be written as $\angle A + \angle B + \angle C = 180^\circ$.

Example 1

Following in the figure, state:

- (i) the angle that is marked,
- (ii) the sides that are of equal lengths.

Solution

- (i) $\angle C$ and $\angle D$ are equal angles.
- (ii) BC and CD are of equal lengths.

Let's try

Following in the figure, state:

- (i) the angle that is marked,
- (ii) the sides that are of equal lengths.

B. Angle Sums of a Triangle

In $\triangle ABC$,

$\angle A = 120^\circ$ and $\angle C = 100^\circ$ (see figure).

Example 1

In $\triangle ABC$, $\angle B = 90^\circ$ and $\angle C = 110^\circ$. Find $\angle A$.

Solution

In $\triangle ABC$,

$$\angle A + \angle B + \angle C = 180^\circ \quad \text{(Angle sum)}$$

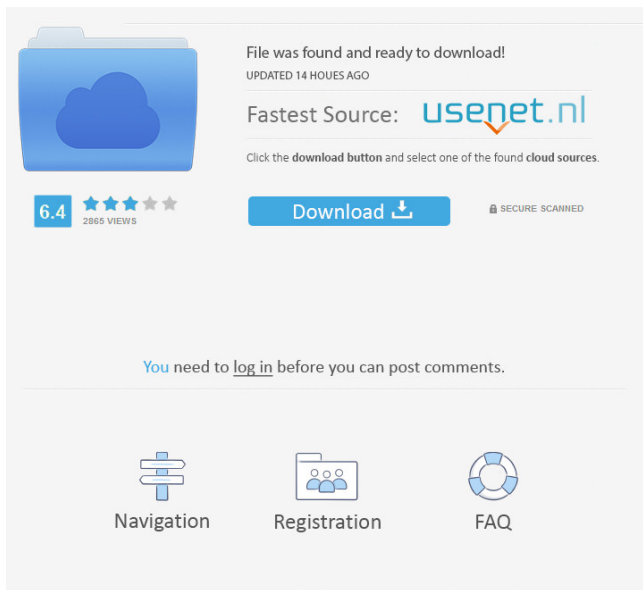
$$\angle A + 90^\circ + 110^\circ = 180^\circ$$

$$\angle A + 200^\circ = 180^\circ$$

$$\angle A = 180^\circ - 200^\circ$$

$$\angle A = -20^\circ$$


DOWNLOAD: <https://bytly.com/294aho>




File was found and ready to download!
UPDATED 14 HOURS AGO




Fastest Source: **useenet.nl**

Click the **download button** and select one of the found **cloud sources**.

6.4  2865 VIEWS

Download  SECURE SCANNED

You need to [log in](#) before you can post comments.

 Navigation  Registration  FAQ

7c23cce9bc

[grade 11 functions textbook mcgraw-hill ryerson pdf free](#)
[Graphicex Free 11](#)
[Beyond the Ropes download movies](#)
[La belle captive \(1983\) DVDRip](#)
[Logic Pro 9 Full Download Free Windows 7](#)