Mission: Disaster Relief

An earthquake struck near town that had a Richter scale reading of 7.8. The main bridge that transport people out of that town to medical services was damaged. The bridge is strengthened by triangular metal braces. A section of the bridge needs to be replaced in order to get the people across the major river. The triangular structure has side lengths 10m, 15m, and 8.2m.

- It's your job to calculate all of the interior angles. A drawing showing all lengths and angles will be sent to Iron Works Ltd., so that they can build a support structure to be put in place to get the people safely across.