

Practice:

Use $\triangle PQR$ to answer the following questions.

1. In $\triangle PQR$, $\angle P$ is the included angle between which 2 sides?

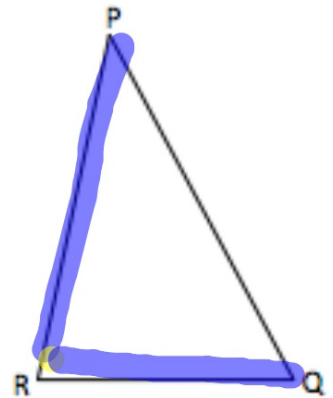
$\overline{PR}, \overline{PQ}$

2. In $\triangle PQR$, which angle is included between \overline{PR} and \overline{RQ} ?

$\angle R$

3. In $\triangle PQR$, \overline{PQ} is the included side between which 2 angles?

$\angle P, \angle Q$



Part 1:

1. In your group, try to construct the following triangles.
2. Start by drawing them on your paper and once you feel you have it accurately drawn, cut it out CAREFULLY. Be sure to label all the dimensions (side lengths and angle measures) and put the letter of the drawing in the center of your cut out. You may want to divide up the work amongst the group members so you can complete all the triangles.
3. Have another member of your group measure your triangle to check its accuracy.
4. Once you have made all the triangles, tape them up on the board under the appropriate heading.

Triangles:

- A. Construct a triangle with side lengths 8 cm x 7 cm x 9 cm.
- B. Construct a triangle with side lengths 10 cm and 14 cm and included angle 40° .
- C. Construct a triangle with angle measurements of 100° and 50° .
- D. Construct a triangle with side lengths 13 cm and 16 cm and NON-included angle 40° .
(Hint: Construct one side 1^st and then put the angle at one end.)

