Class 10 Mathematics - Triangles

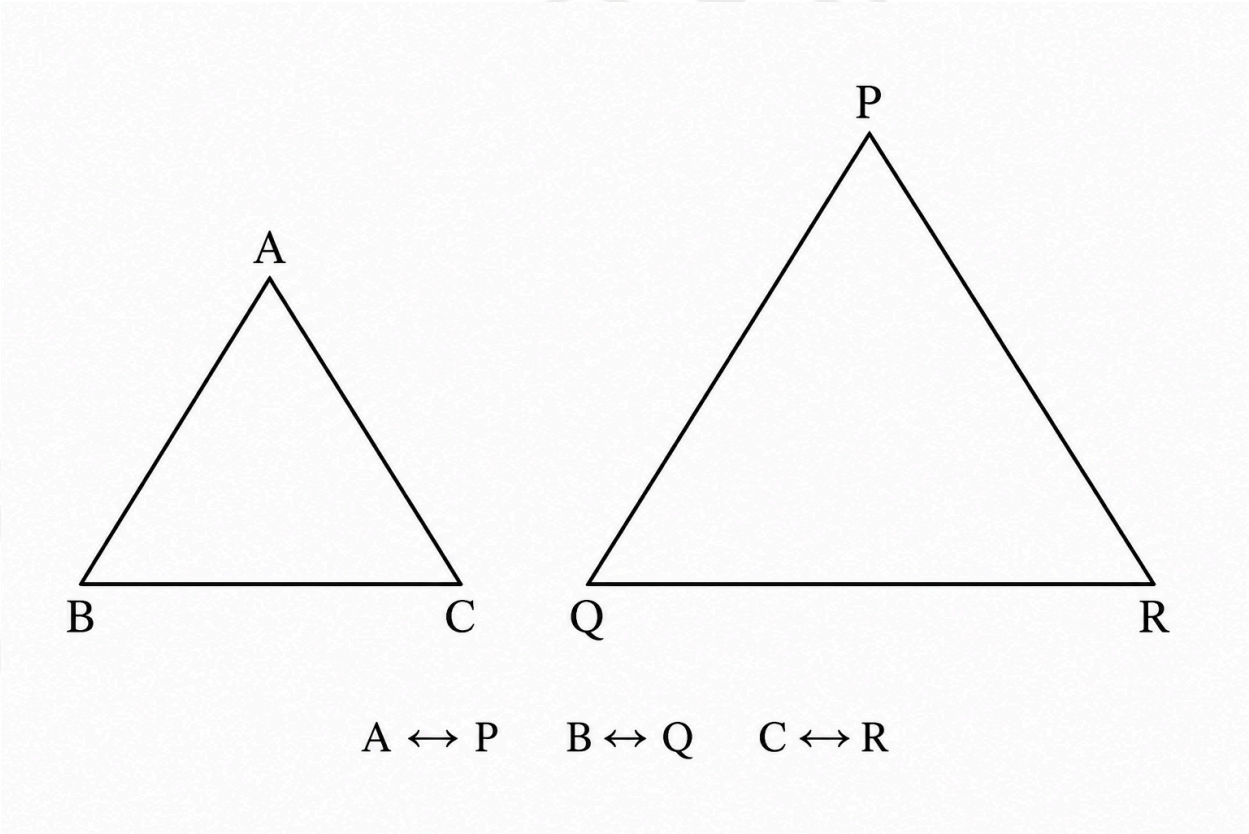
Name: _____

Date: _____

Medium Worksheet 4

Questions

For Questions 1–4, refer to the figure:



1. If AB = 6 cm, BC = 8 cm and PQ = 12 cm, find QR.

2. If AB = 5 cm and PQ = 15 cm, find the ratio of similarity.
3. If the ratio of similarity is 2 : 3 and BC = 10 cm, find QR.
4. If AB/PQ = AC/PR = BC/QR = 4/5 and AB = 12 cm, find PQ.
5. In similar triangles, what is the ratio of their corresponding sides called?
6. Are the areas of similar triangles proportional to the squares of corresponding sides?

Answer Key

1. 16 cm
2. 1 : 3
3. 15 cm
4. 15 cm
5. Scale factor
6. Yes

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