

Learning Outcomes Covered:

7F: I can determine if two triangles are similar.

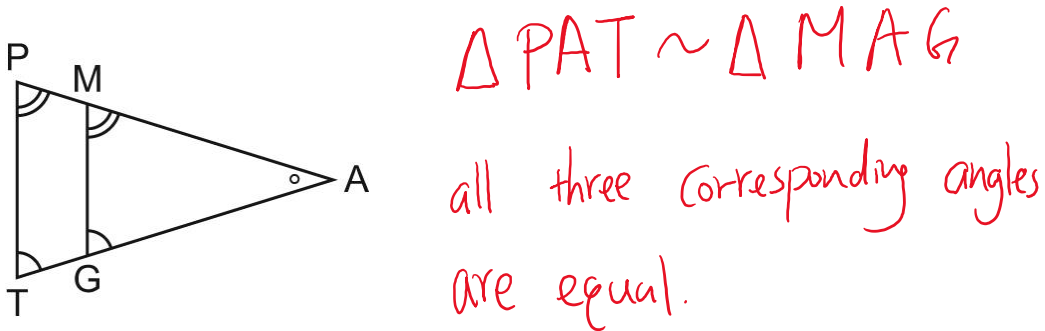
CONTENT Assessment Questions:

1. Identify the similar triangles in the following diagrams. Equal angles are marked on the diagrams.



CURRICULAR COMPETENCIES Questions:

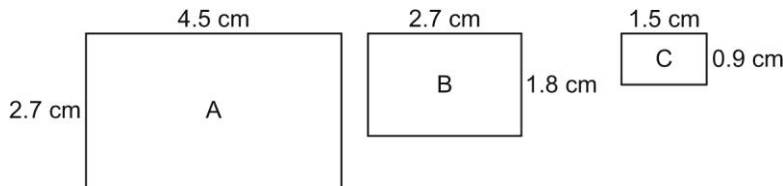
1. There are two triangles in this picture. Name them and then determine if the two triangles are similar. Justify your answer. (CmRp)



2. How might you apply what you learned about similar triangles to determine other shapes are similar? What is needed to ensure shapes are similar? (US)

Corresponding angles must be equal!
or
There is a common ratio for all
Corresponding sides.

3. Which rectangles are similar? Give reasons for your answer. (RA, CmRp)



$$\frac{4.5}{2.7} \neq \frac{2.7}{1.8} \quad \text{but} \quad \frac{4.5}{1.5} = \frac{2.7}{0.9}$$

\therefore rectangle A \sim rectangle C

4. Which statements are true? Justify your answers. (RA, CmRp)
- a) All regular octagons are similar. T
 - b) All quadrilaterals are similar. F
 - c) All pentagons are similar. F

Regular polygons means all
angles are the same.

ONGOING LEARNING ACTIVITIES:

CORE: Curricular Competencies: Page 349: 4, 5; Page 341: 9, 11, 14
Content: Page 341: 6, 10
ADVANCED: Page 342: 16, 17