

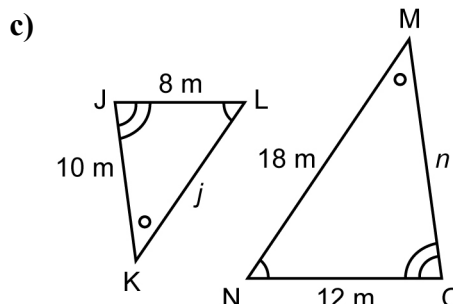
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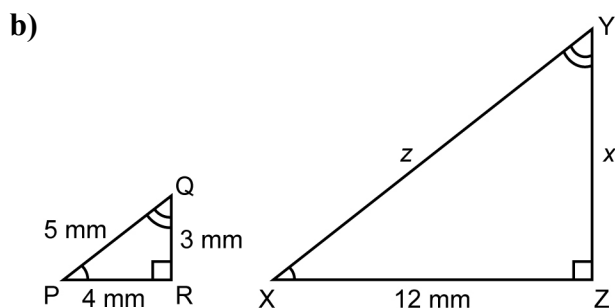
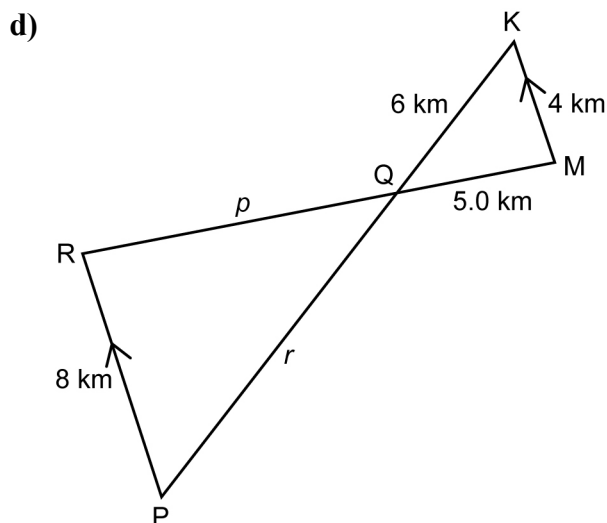
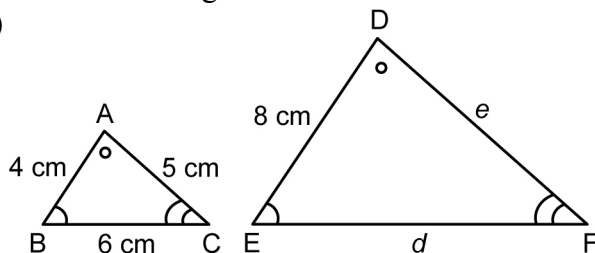
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Section 7.2 Practice Master

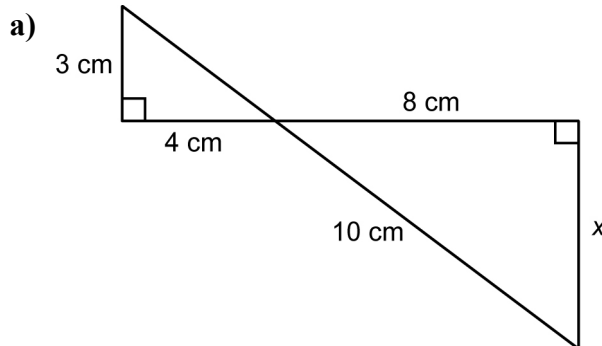
1. A right triangle has side lengths 5 cm, 12 cm, and 13 cm.
 - a) Draw the triangle.
 - b) A similar triangle has a hypotenuse 52 cm long. What is the scale factor?
 - c) What are the lengths of the legs of the triangle in part b)?
 - d) Draw the similar triangle.



2. Refer to question 1.
 - a) Find the area of each triangle.
 - b) How are these areas related?
 - c) How do the areas help to confirm that the triangles are similar?
3. The triangles in each pair are similar. Find the unknown side lengths.



4. Find x .

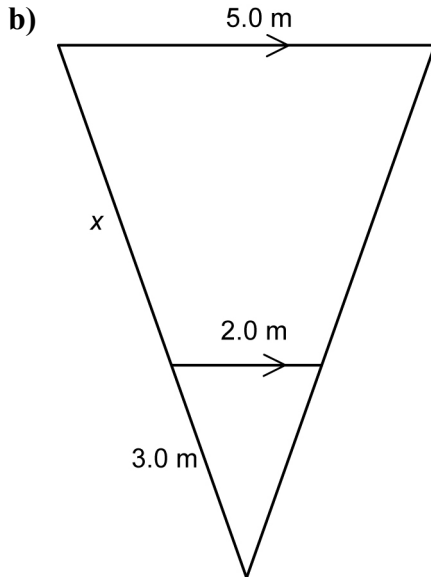


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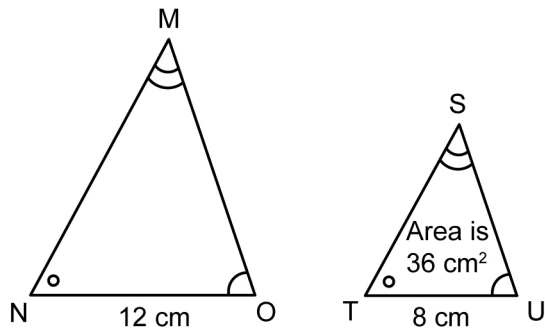
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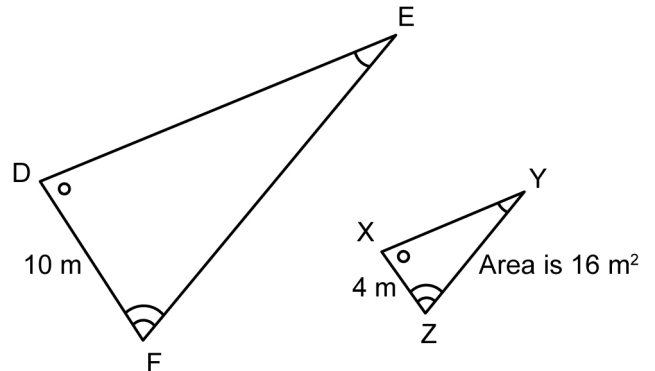
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5. a) $\triangle MNO \sim \triangle STU$. Find the area of $\triangle MNO$.



- b) $\triangle DEF \sim \triangle XYZ$. Find the area of $\triangle DEF$.



6. Use the given measures to find the width of the canal.

