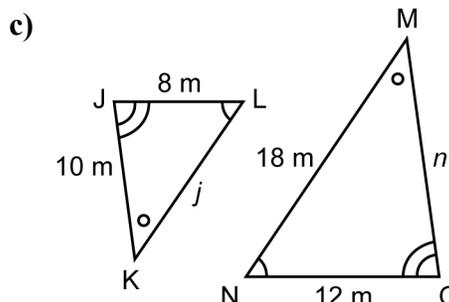
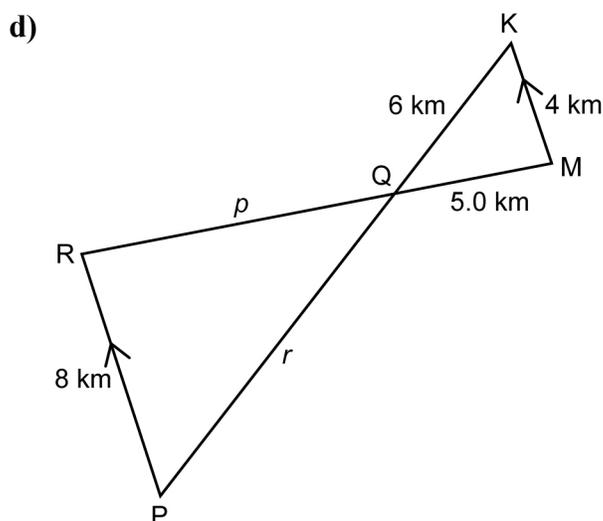


Section 7.2 Practice Master

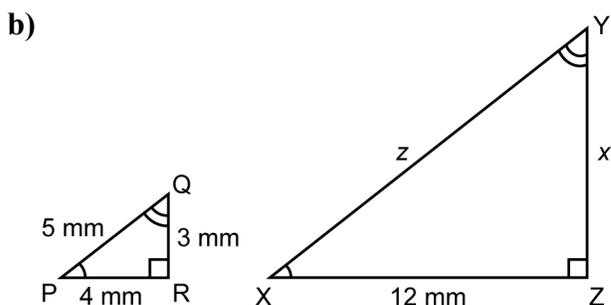
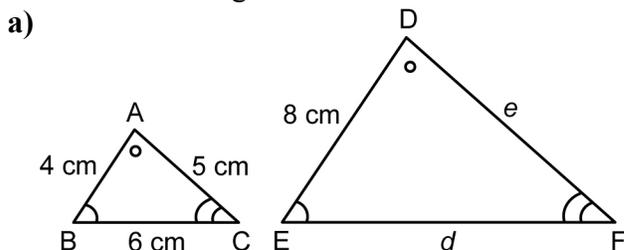
- A right triangle has side lengths 5 cm, 12 cm, and 13 cm.
 - Draw the triangle.
 - A similar triangle has a hypotenuse 52 cm long. What is the scale factor?
 - What are the lengths of the legs of the triangle in part b)?
 - Draw the similar triangle.



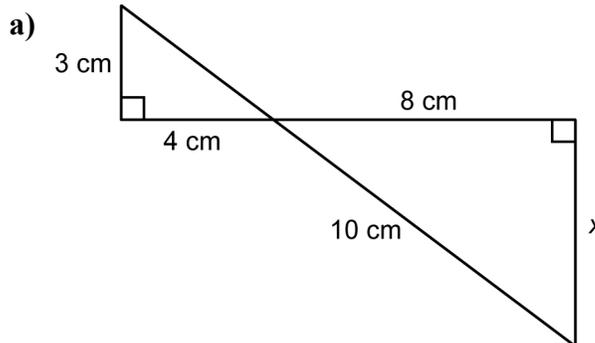
- Refer to question 1.
 - Find the area of each triangle.
 - How are these areas related?
 - How do the areas help to confirm that the triangles are similar?



- The triangles in each pair are similar. Find the unknown side lengths.



- Find x .

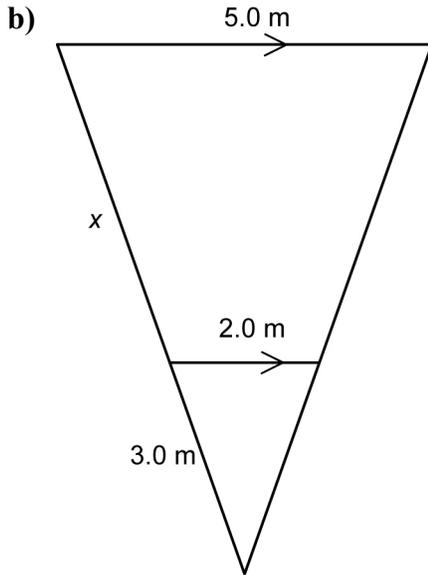


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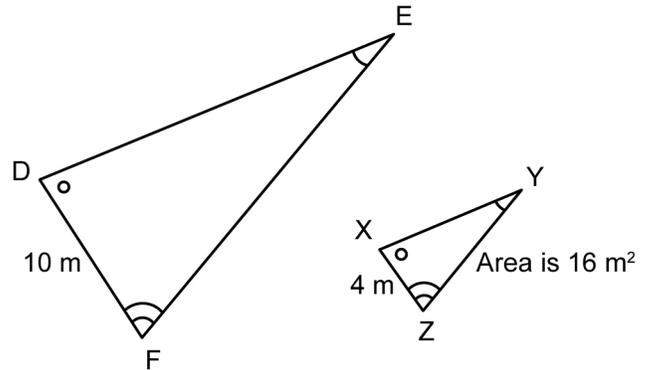
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BLM 7-8

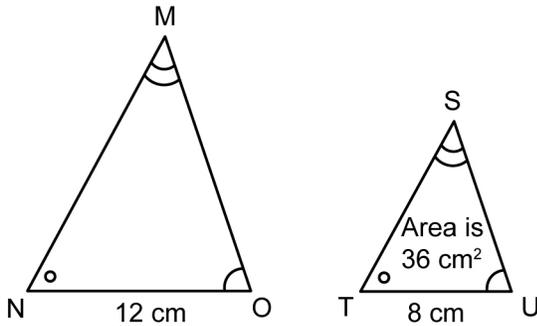
(page 2)



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



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



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

