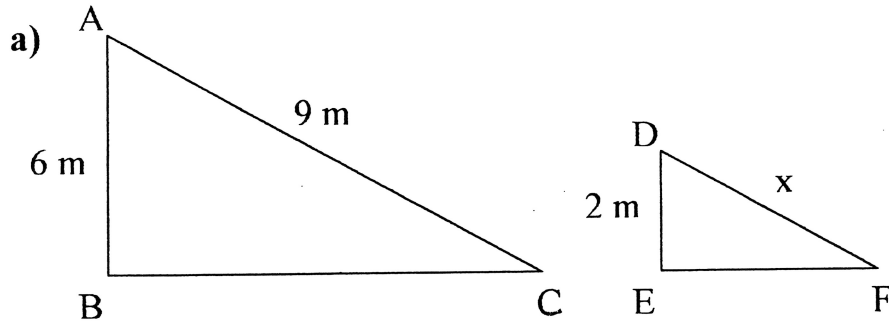
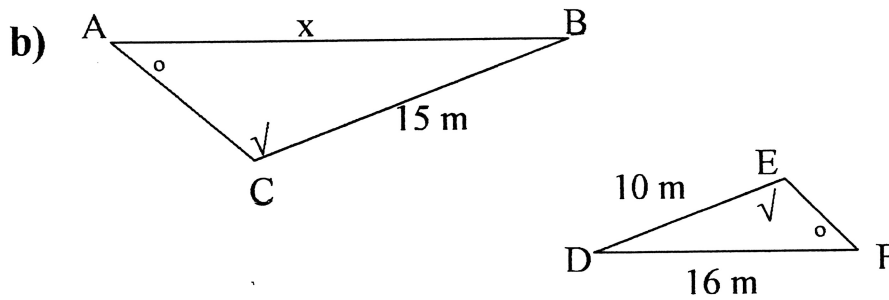


### Similar Triangles Practice: Part 4

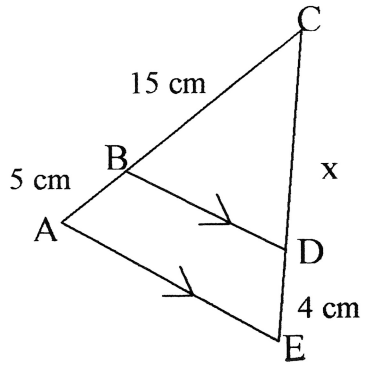
1. Determine the length  $x$  in each diagram.



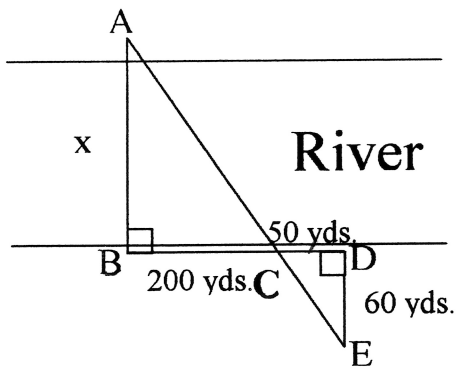
Given  $\triangle ABC \sim \triangle DEF$



c)

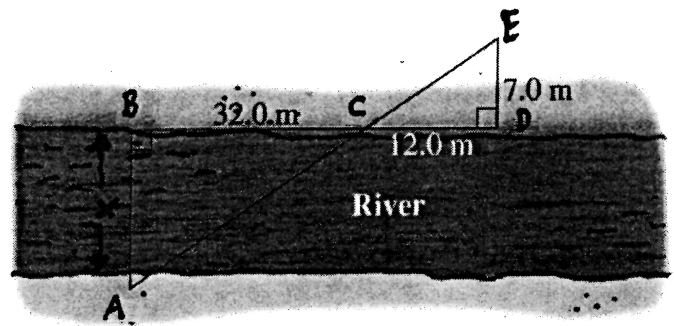


2. Determine the distance across the river.

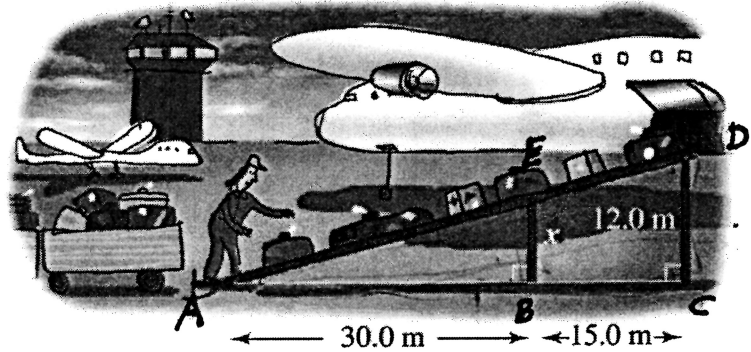


## Practice

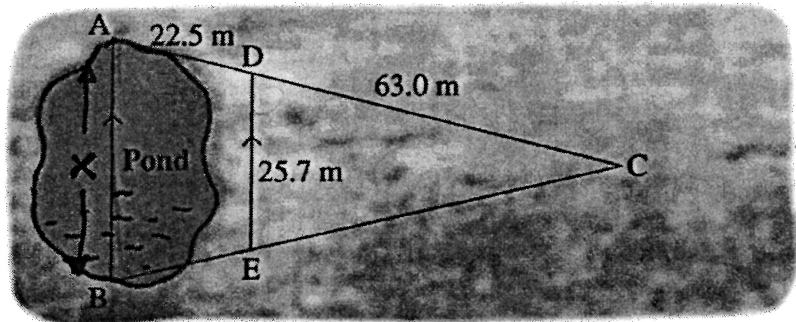
1. How far is it across the river?



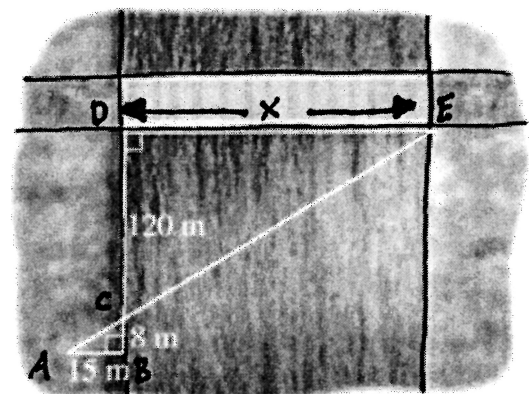
2. How high is the support  $x$  for the conveyor? The diagram is not drawn to scale.



3. To find the distance AB across a pond, surveyors measured the distances shown. Use these distances to calculate the distance AB.



4. A student drew this diagram to determine the length of a bridge over a river. Calculate the length of the bridge.



Answers: 1) 18.7 m 2) 8 m 3) 34.9 m 4) 225 m