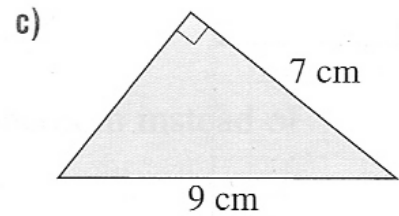
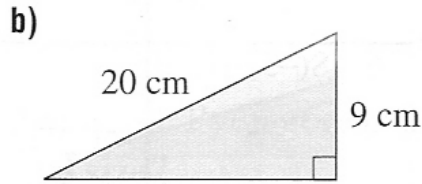
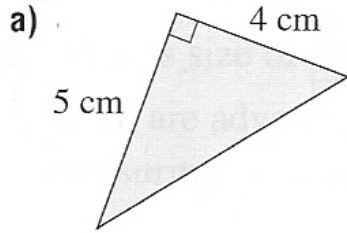


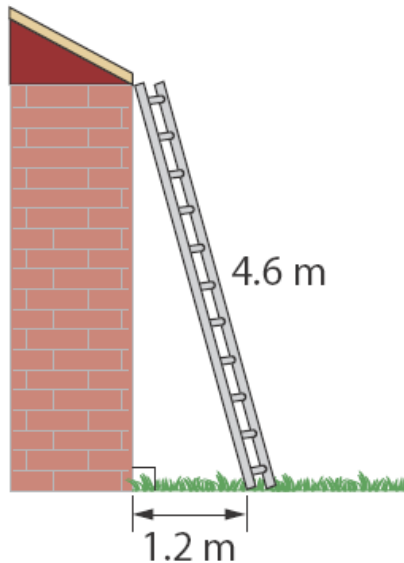
Pythagoras, Perimeter, Area and Volume Practice

SHOW ALL WORK ON A SEPARATE PAGE!

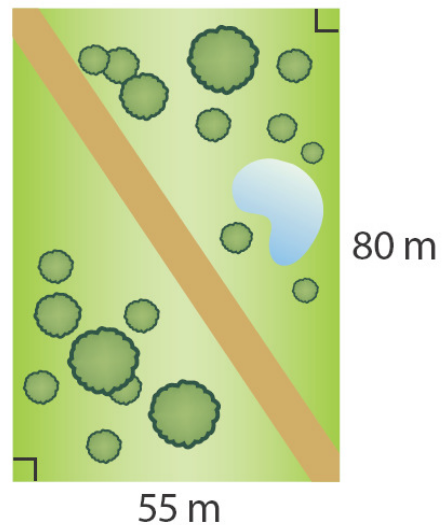
1) Determine the length of the unknown side.



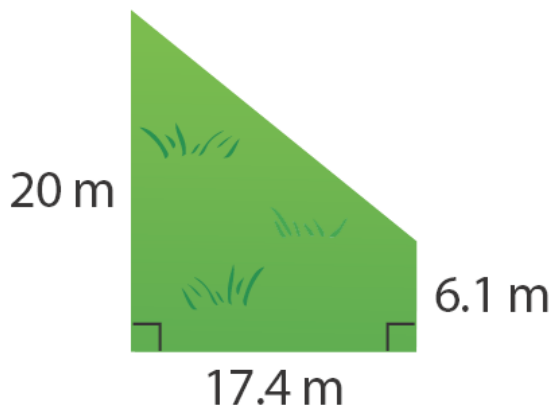
2) Determine the height that the ladder reaches up the wall.



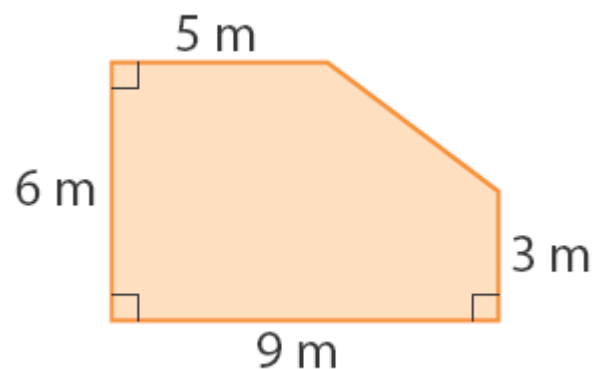
3) A rectangular park has a path along its diagonal. Determine the length of the path.



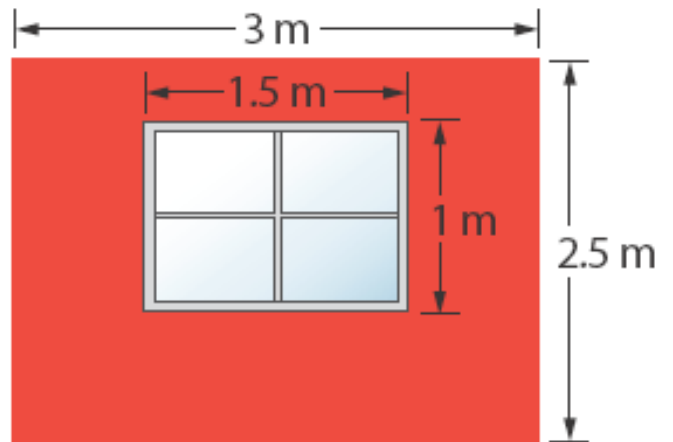
4) Determine the **perimeter** and **area** of the garden shown below.



5) Determine the **perimeter** and **area** of the figure shown below.



- 6) Kim wants to paint her bedroom wall. Determine the total area that she needs to paint.



- 7) Maria has 122 m of fencing to enclose a rectangular skating rink.
- Draw 5 different rectangular rinks that Maria could enclose with the available fencing.
 - Determine the dimensions (length and width) that will give Maria the **largest** possible rectangular rink (largest area).

- 8) Calculate the volume of each prism.



- 9) Determine the volume of the greenhouse shown below.



Answers

- 1) a) 6.4 cm b) 17.7 cm c) 5.7 cm
- 2) 4.4 m
- 3) 97.1 m
- 4) Perimeter = 65.8 m Area = 277.07 m²
- 5) Perimeter = 28 m Area = 48 m²
- 6) 6 m²
- 7) a) Drawings may vary. B) 30.5 m by 30.5 m
- 8) a) 3775.8 cm³ b) 8.8 m³
- 9) 26.25 m³