



Worksheet

Name :

Subject:

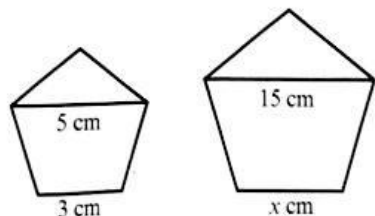
Class:

Date:

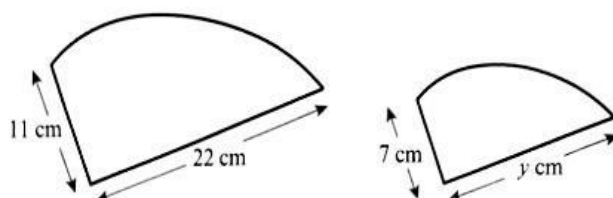
11.3 Similar shapes

The shapes in each pair are mathematically similar to one another.
Calculate the unknown lengths in each case.

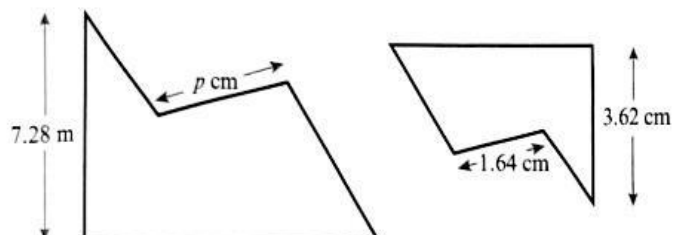
a



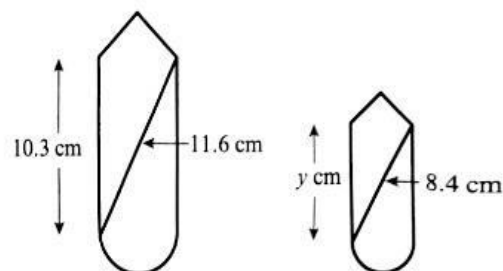
b



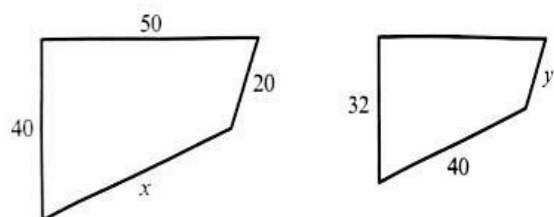
c



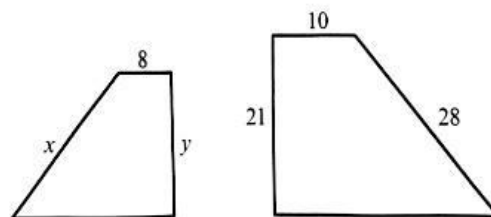
d



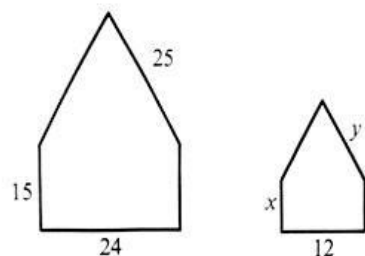
e



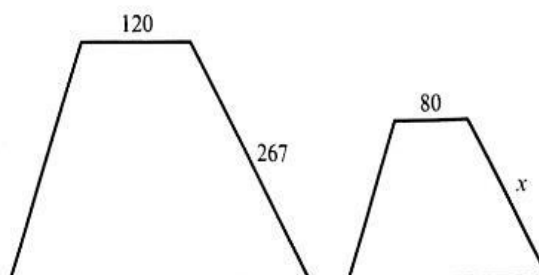
f



g



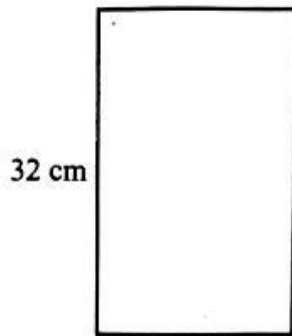
h



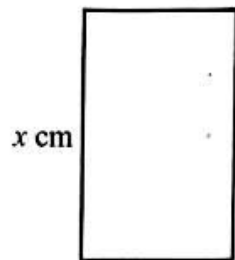
Area of similar shapes :

In each part of this question the areas of the two similar figures are given.
Find the length of the side marked x in each.

a



Area = 592 cm^2

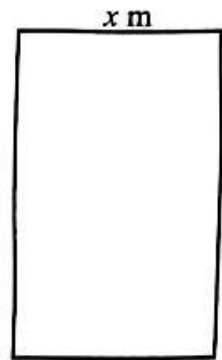


Area = 333 cm^2

b

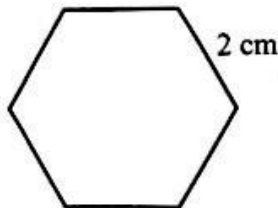


Area = 272.25 m^2

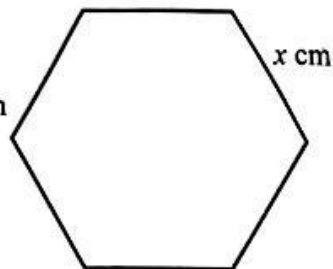


Area = 900 m^2

c

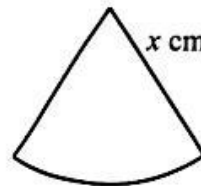


Area = 4.4 cm^2

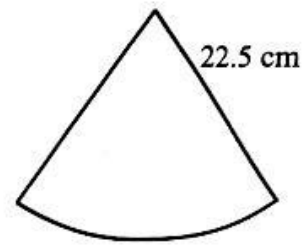


Area = 6.875 cm^2

d



Area = 135 cm^2



Area = 303.75 cm^2