5. Use 1-cm grid paper.

a) Draw a triangle with area 12 cm^2.

b) Investigate the different ways you can draw a triangle that has:

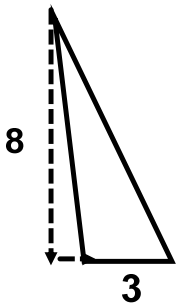
i) double the area

Multiply the base by 2

ii) one-half the area

Divide the base by 2

Write a report of your findings.



Page 223 answers continued

6. Use 1-cm grid paper.

a) Draw different triangles with base 4 cm and height 6 cm.

b) Find the area of each triangle you draw.

c) Measure the side lengths of each triangle you draw.

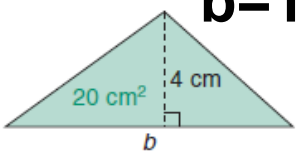
How do you know all the triangles are different?

All the triangles are different because the triangles have different shapes

A= 0.5(bh)
A= 0.5(4cmx6cm)
A= 0.5(24cm^2)
A= 12cm^2

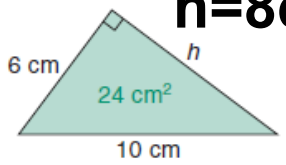
7. The area of each triangle is given. Find each unknown measure.

a) the base



b=10cm

b) the height



h=8cm

7 c) b=3cm

d) h=5cm