Area of a triangle (3)
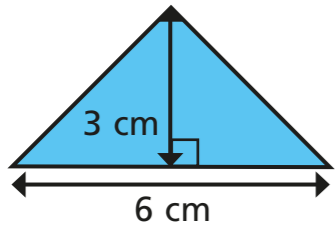
1 Calculate the area of the triangle.
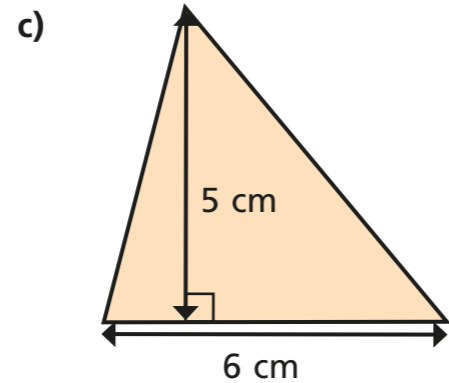
3 cm
6 cm
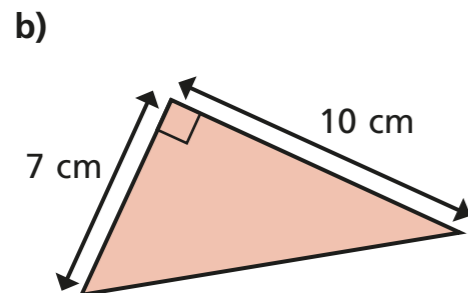
area = ____ cm²

2 Calculate the area of the triangles.

a)
5 cm
6 cm

area = ____ cm²

b)
7 cm
10 cm

area = ____ cm²

c)
5 cm
6 cm

area = ____ cm²

d)
7 cm
10 cm
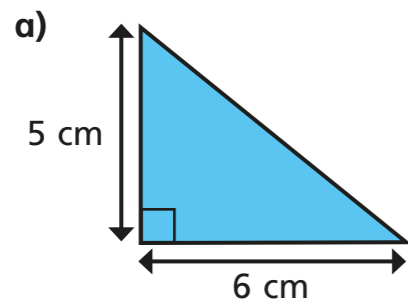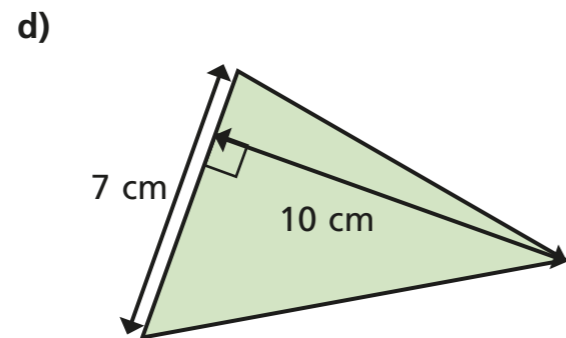
area = ____ cm²

3 What mistake has Dora made?

6 cm
4 cm
7 cm
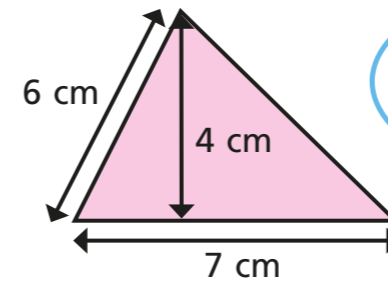
To find the area you do
7 × 6 ÷ 2 = 21 cm²
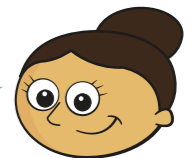
4 Label the base of each triangle b.

Label the perpendicular height h.

7 cm
4 cm
6 cm

6 cm
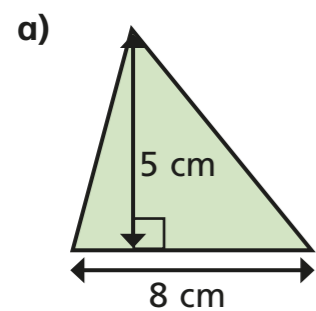9 cm
6 cm

6 cm
3 cm
5 cm

14 cm
10 cm
7 cm
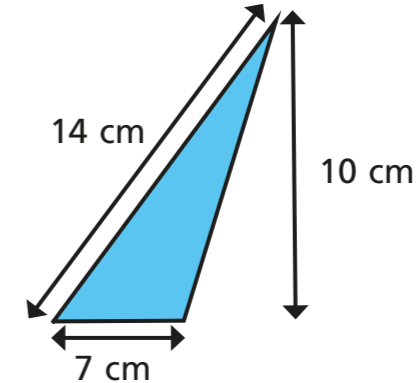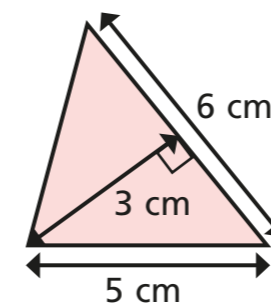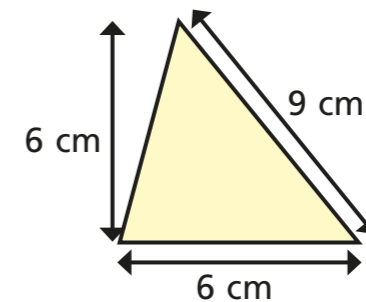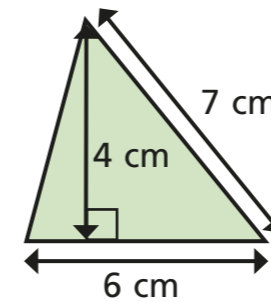
5 Are the statements always, sometimes or never true?
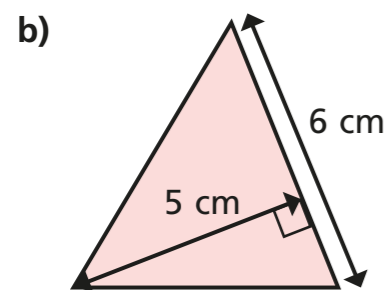
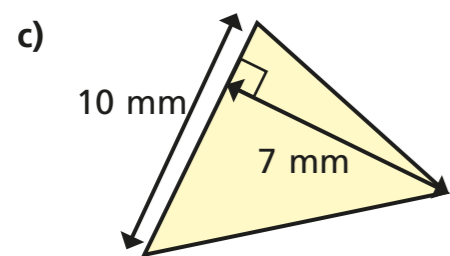| The side at the bottom of a triangle is the base. | The perpendicular height is equal to the vertical height. |

_____   _____
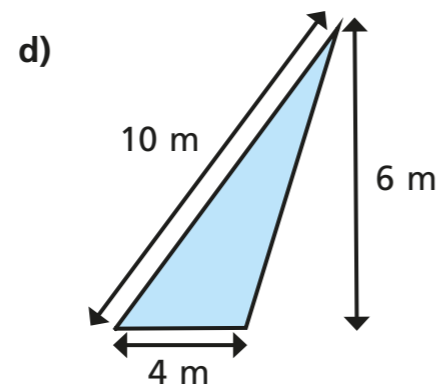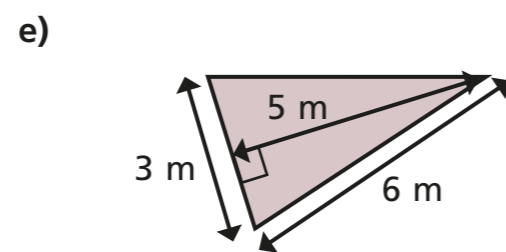
6 Calculate the area of the triangles.

a)

5 cm
8 cm

area = ☐ cm²

b)

6 cm
5 cm

area = ☐ cm²

c)

10 mm
7 mm

area = ☐ mm²

d)

10 m
6 m
4 m

area = ☐ m²

e)

5 m
3 m
6 m

area = ☐ m²

f)

8 cm
9 cm
8 cm
7 cm
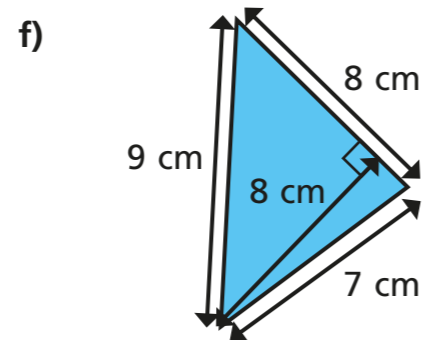
area = ☐ cm²

7 Find the area of the shaded region.

10 cm
10 cm
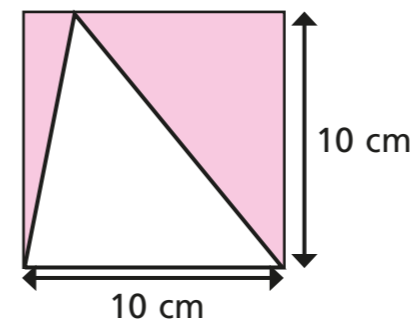
area = ☐ cm²

8 The area of each triangle is 12 cm². Find the missing lengths.

a)

x
8 cm

$x =$ ☐ cm

b)

1 cm
y
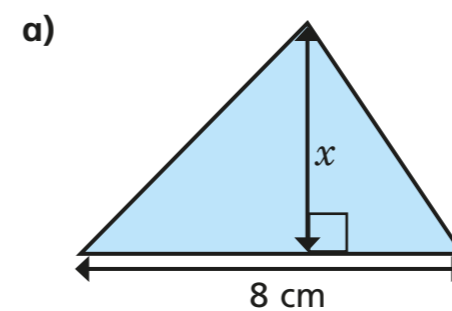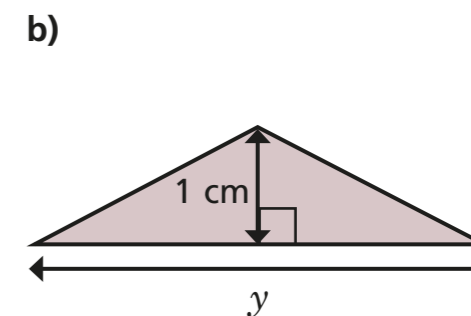
$y =$ ☐ cm

9 Show two ways you can work out the area of the triangle.

6 cm
9 cm
4 cm
6 cm
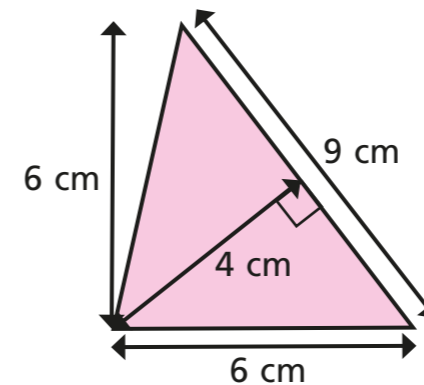
Compare answers with a partner.