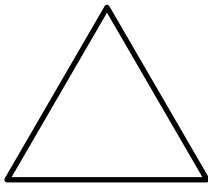




AREA OF AN EQUILATERAL TRIANGLE 1

Work out the area of the following equilateral triangles. They are not drawn to scale. Use the formula at the bottom of the page to help you.

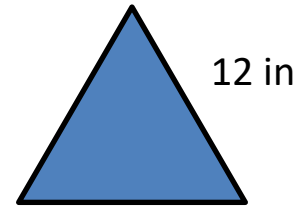
1)



8cm

Area = _____ cm²

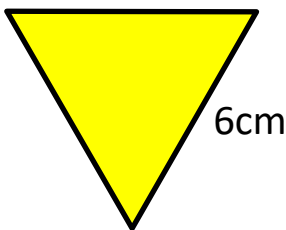
2)



12 in

Area = _____

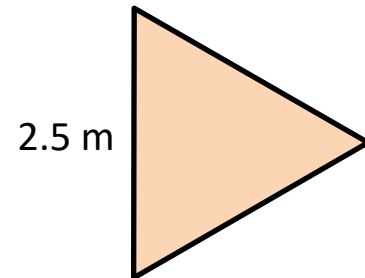
3)



6cm

Area = _____

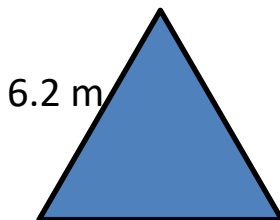
4)



2.5 m

Area = _____

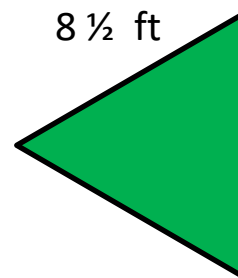
5)



6.2 m

Area = _____

6)



8 ½ ft

Area = _____

Handy hint:

The formula for the area of an equilateral triangle is

$$A = \frac{\sqrt{3}}{4} s^2$$

where s is the length of the side of the triangle.

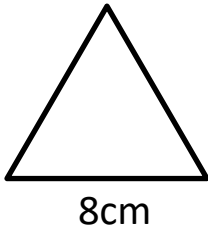
Name

Date



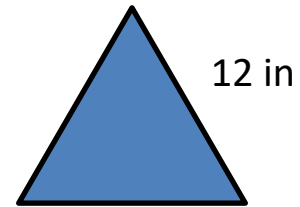
AREA OF AN EQUILATERAL TRIANGLE 1 ANSWERS

1)



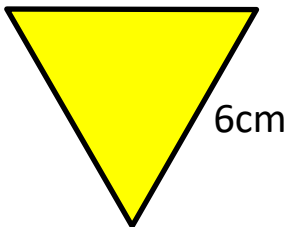
Area = 27.7 cm²

2)



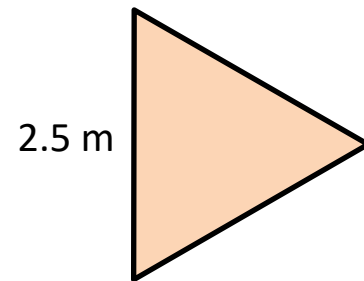
Area = 62.4 in²

3)



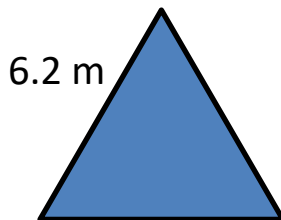
Area = 15.6 cm²

4)



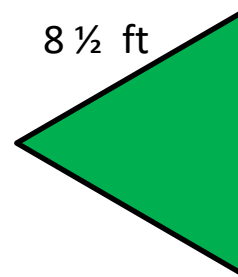
Area = 2.7 m²

5)



Area = 16.6 m²

6)



Area = 31.3 ft²