

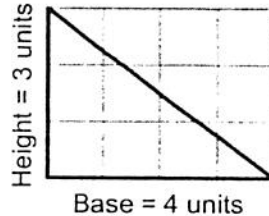
Unit 7 Lesson 2

Independent Practice

The AREA of a polygon is the space required to cover the polygon. The area can be found by counting the number of square units required to cover the polygon or by using formulas for some special polygons like triangles.

Area of a triangle: $A = \frac{1}{2}bh$ or $A = \frac{bh}{2}$

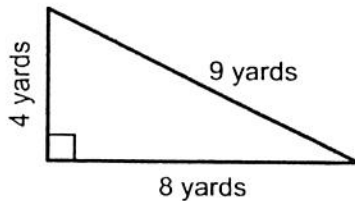
This formula shows that the area of a triangle can be found by first multiplying the length of its base, b , by its height, h , and then finding half of the product.



$bh = \text{base} \times \text{height} = 12 \text{ units}^2$
This is the area of the entire rectangle.

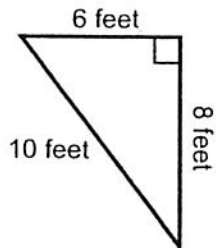
Area of Triangle =
 $\frac{bh}{2} = \frac{4 \times 3}{2} = \frac{12}{2} = 6 \text{ units}^2$

1. Find the perimeter and the area of:

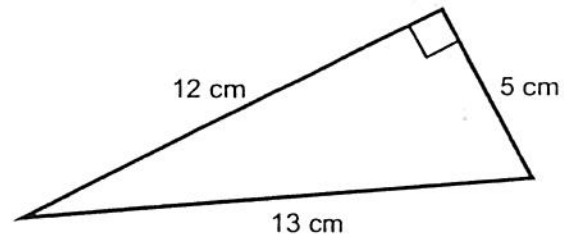


4. An equilateral triangle is painted on a wall as part of a geometric design. The triangle has a base of 30 inches and a height of 26 inches. What is the area of the wall covered by the triangle?

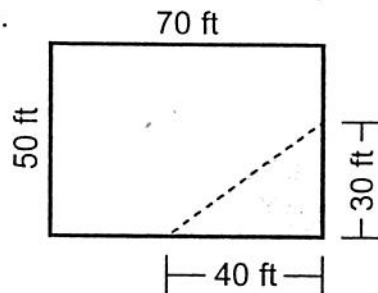
2. Find the perimeter and the area of:



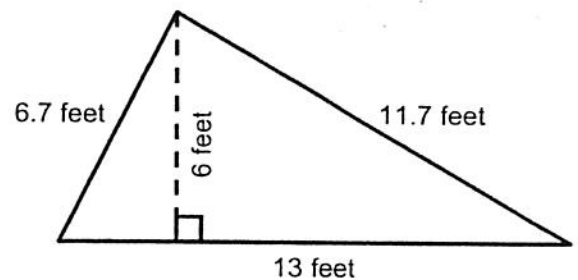
5. Find the perimeter and the area of:



3. Samantha has decided to use a corner of her backyard to plant a vegetable garden as shown. The shaded region in the picture represents the vegetable garden.



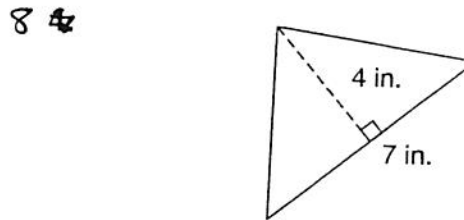
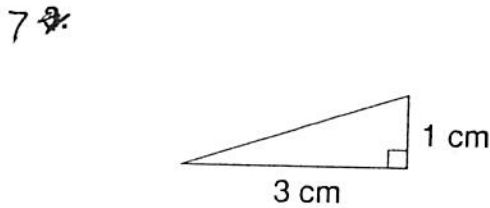
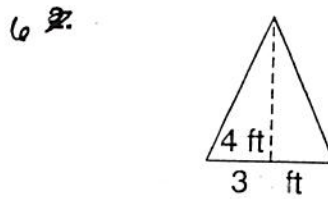
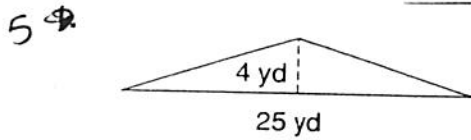
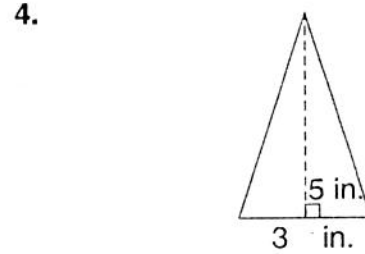
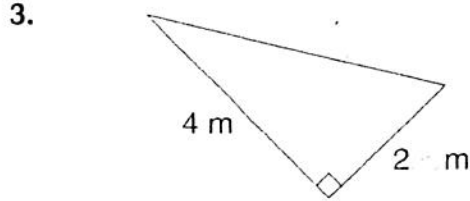
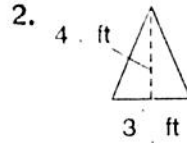
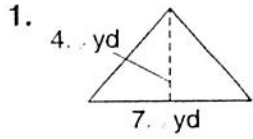
6. Find the perimeter and the area of:



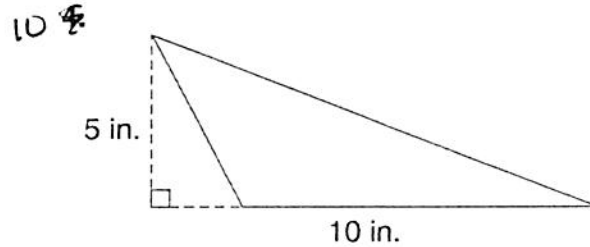
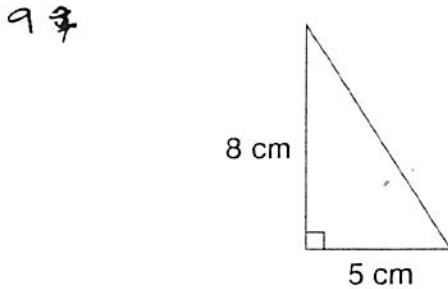
What is the area of the vegetable garden?

Find the area of each triangle.

Name _____



Find the area of each triangle.



11 ✎ 9. The front part of a tent is 8 feet long and 5 feet tall. What is the area of the front part of the tent?

