

EXTRA PRACTICE
PACKET FOR GRADE 6
PACING GUIDE

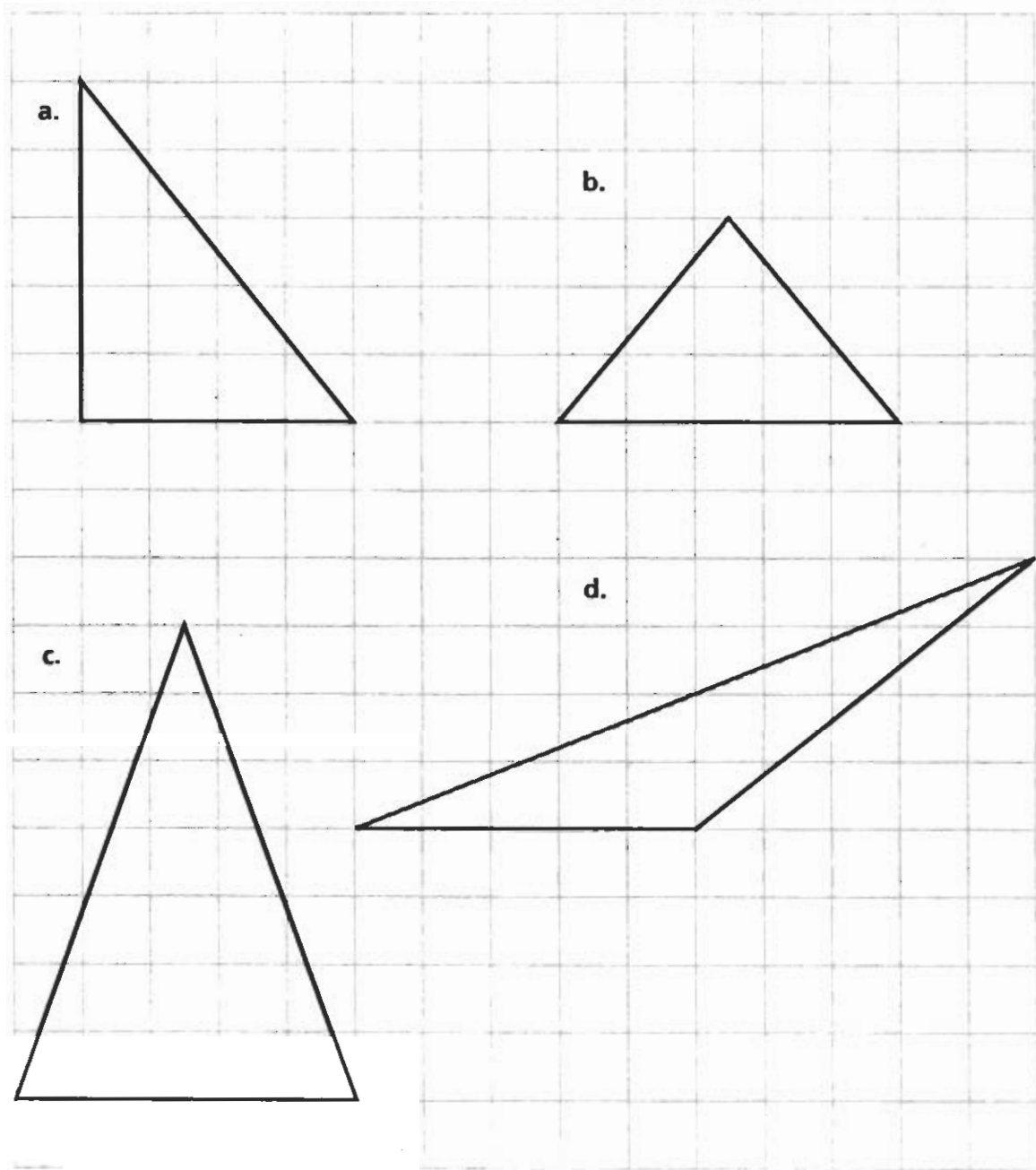
AREA OF TRIANGLE

Additional Practice

Investigation 3

Covering and Surrounding

1. Find the area and perimeter of each shape below.

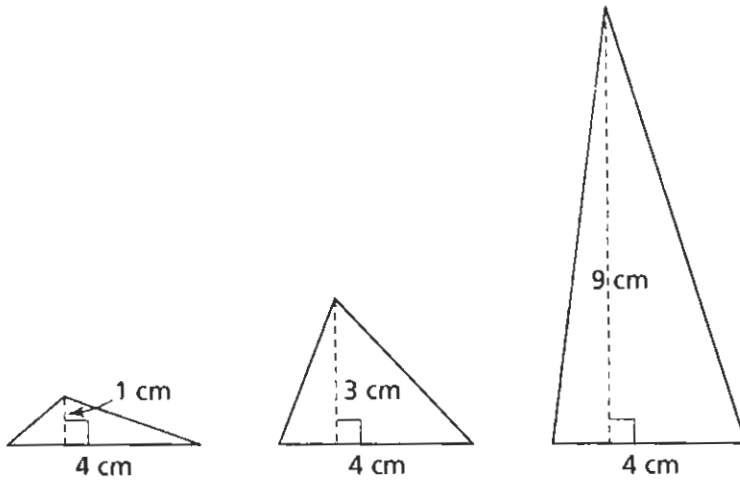


Additional Practice *(continued)*

Investigation 3

Covering and Surrounding

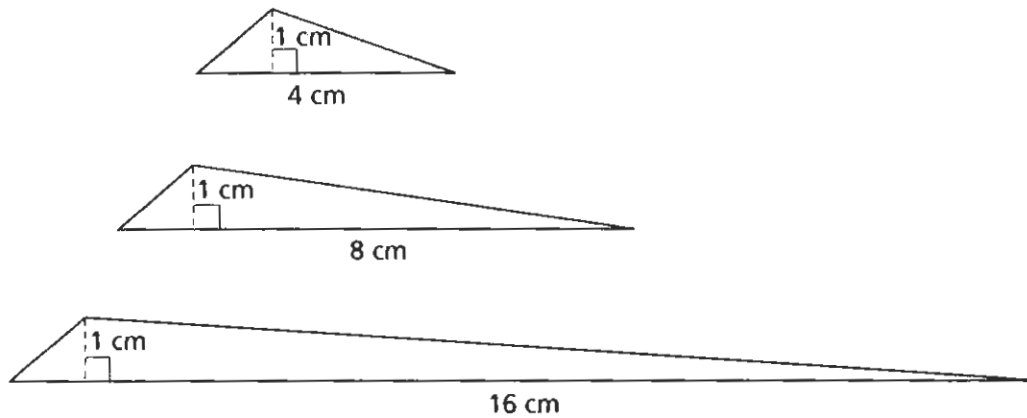
2. a. Find the area of each triangle below.



b. How are the heights of these triangles related to each other?

c. How are the areas of these triangles related to each other?

3. a. Find the area of each triangle below.



b. How are the bases of these triangles related to each other?

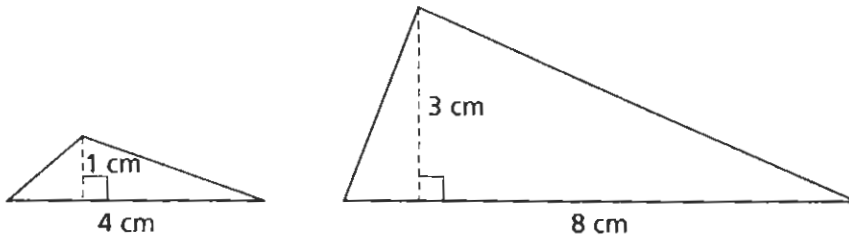
c. How are the areas of these triangles related to each other?

Additional Practice *(continued)*

Investigation 3

Covering and Surrounding

4. a. Find the area of each triangle below.



b. Based on the patterns in problems 3 and 4, sketch the third triangle.

c. How are the heights of these triangles related to each other?

d. How are the bases of these triangles related to each other?

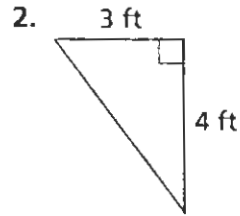
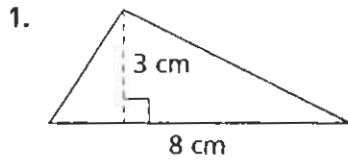
e. How are the areas of these triangles related to each other?

Skill: Area of Triangles

Investigation 3

Covering and Surrounding

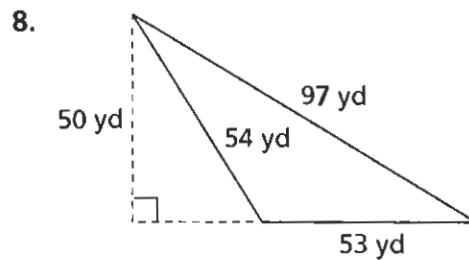
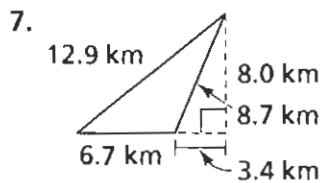
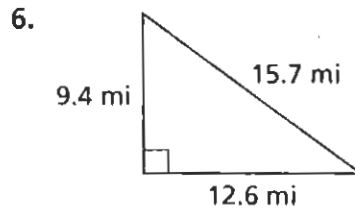
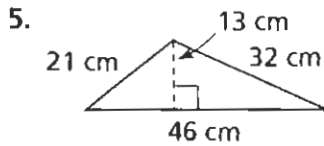
Find the area of each triangle.



Tell whether each statement is *true* or *false*.

- Two triangles that have the same base always have the same area.
- Any obtuse triangle has a greater area than any acute triangle.

Find the area of each triangle.



Solve.

- The area of a triangle is 6 square units. Both the height and the length of the base are whole numbers. What are the possible lengths and heights?