Area of Triangles
You must earn 6 points!

Find the area of the triangle.

1.

4 ft

9 ft
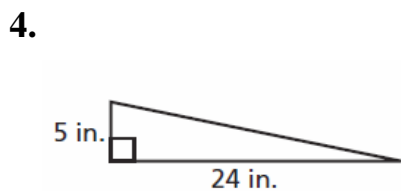
2.

14 cm

5 cm

3.

7 m

20 m

4.

5 in.

24 in.

5.

42 m   5 m

6.

14 cm

14 cm

1
point
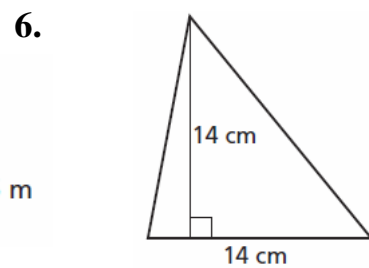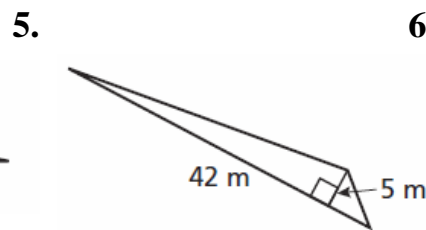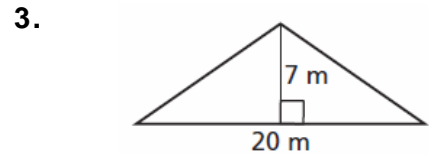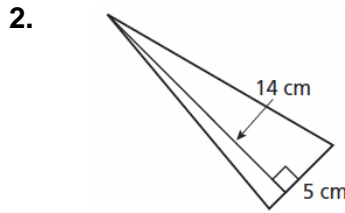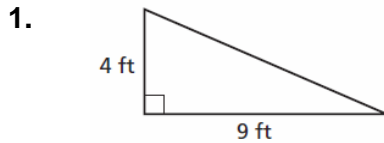
Solve the word problem.

7. Triangle A and Triangle B have the same base. The height of Triangle B is twice the height of Triangle A. How many times greater is the area of Triangle B?

8. A sign is in the shape of a triangle with a base of 12 inches and a height of 8 inches. Find the area of the sign.
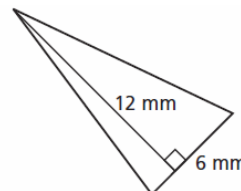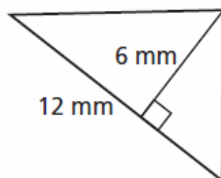
9. The shaded triangle in the sign has a base of 750 millimeters and a height of 650 millimeters. The white triangle in the sigh has a base of 375 milimeters and a height of 325 millimeters. Find the area of the shaded portion of the sign.

2
points

10. Find the area of each triangle. Are the areas the same? Explain.

6 mm

12 mm

12 mm

6 mm

Reflecting Back

You must complete ALL 6 problems!

1. **Write the expression.**

   The quotient of 8 and a number x plus 2

2. **Solve the inequality. Graph the solution.**

   $$v + 10 \leq 14$$

3. **Tell whether the ordered pair is a solution of the equation.**

   $$y = 4x + 4 \quad (3, 16)$$

4. **Find the missing value in the ratio table. Then write the equivalent ratios.**

Flutes	12	6	
Clarinets	8		21

5. **Find the percent.**

   What is 25 percent of 96?

6. **Evaluate the expression.**

   $$3^2 \div 3 \cdot (15 - 6) + 3$$