

Area 2.3
Geometry

1) What is perimeter?

2) What is area?

3) What is volume?

Given a figure and its dimensions, calculate its area.

4) Rectangle

$$b = 9 \text{ in}$$

$$h = 7 \text{ in}$$

$$A =$$

5) Parallelogram

$$b = 47 \text{ m}$$

$$h = 61 \text{ m}$$

$$A =$$

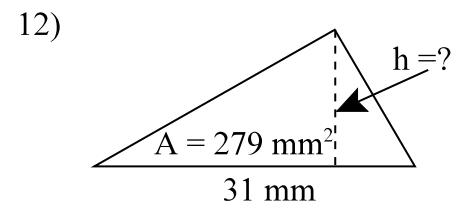
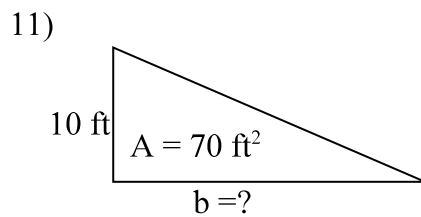
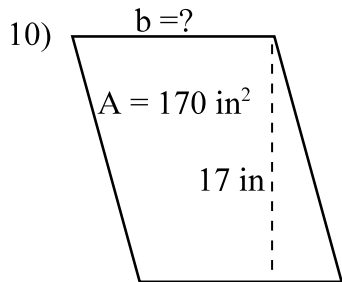
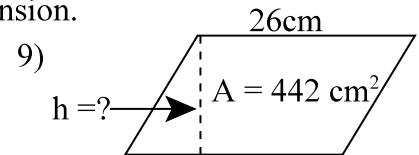
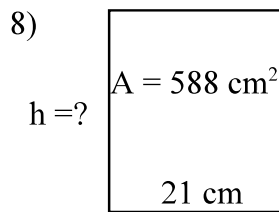
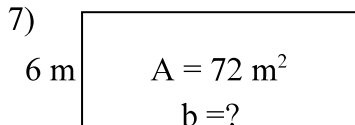
6) Triangle

$$b = 14 \text{ cm}$$

$$h = 12 \text{ cm}$$

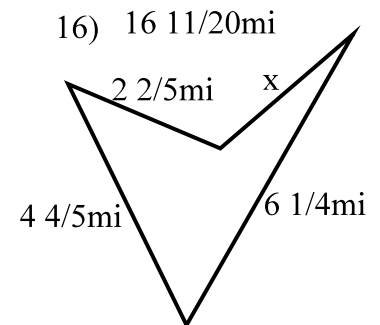
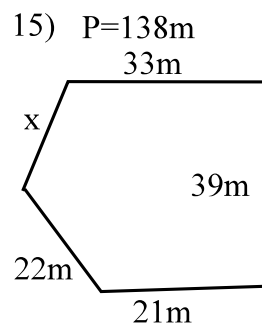
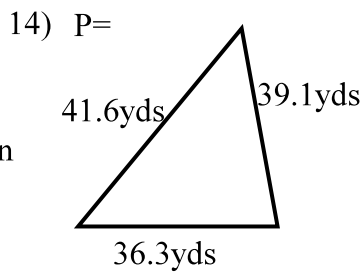
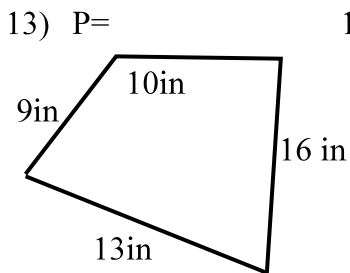
$$A =$$

Given the area of a figure and its base or height, calculate the other dimension.



Give the perimeter of the following polygons.

Find the length of the missing side.



17) An office has 2600 ft^2 of floor space. The manager wants to cover the floor with rubber tiles that measure 8 ft^2 each. If tile costs $\$12.00/\text{unit}$, how many tiles will be needed? What will they cost?

18) Tom is laying a concrete slab that measures 800 ft^2 . If a bag of concrete mix makes enough concrete to cover 16 ft^2 , how many bags will Tom need for the job? If the cost of the concrete is $\$6.00/\text{bag}$, what will the mix cost for the job?