$\qquad$
1 A triangle has an area of 12 square
Area of millimeters. What could be the measures triangle $A=\frac{1}{2}$ base herigillimeters?

Multiply
Area $\times 2$
Select all the correct answers. $-\frac{1}{2}(b \cdot h$
(A) $b=2$ and $h=6$
(4) $b=3$ and $h=8$
(C) $b=4$ and $h=3$
(2) $b=6$ and $h=4$
(2) $b=12$ and $h=2$


2 The sketch below shows a company's plans for a new billboard advertisement.
Rectangle
$A=b \cdot h$
$144=18 \cdot h$


If the area of the billboard is $144 \mathrm{ft}^{2}$, what is the height?
(A) $) \mathrm{ft}$

C 8 ft
(B) 12 ft
(D) 4 ft

3 A parallelogram has a base of 9 km and a height of 5 km . What is the area of the parallelogram?
Area $=$ base $\times$ height

$$
\text { Area }=9 \times 5
$$

$$
\text { Area }=45 \mathrm{~km}^{2}
$$

4
What is the
area of the figure below?

(A) $82 \mathrm{~cm}^{2}$
(C) $97 \mathrm{~cm}^{2}$

(D) $102 \mathrm{~cm}^{2}$

5 What is the area of the triangle in square yards?


$$
\begin{aligned}
& A=\frac{1}{2}(b)(h) \\
& A \frac{1}{2}\left(10 \frac{3}{4}\right)(7) \\
& \frac{43}{4} \frac{2}{1}
\end{aligned}
$$


$\qquad$

6 What is the area of the composite figure in square meters?


7 The diagram below shows a banquet hall's plans to install a new dance floor.


What is the area of the new dance floor in square feet?

$$
\begin{aligned}
& \text { Area }=\text { base } \times \text { height } \\
& \text { Area }=20 \times 18 \\
& \text { Area }=360 \mathrm{ft}^{2}
\end{aligned}
$$

For triangles, if you are given the AREA and are looking for the BASE or HEIGHT, first multiply the AREA by 2, then divide by the given base or height.

8 Leilani hung a triangular pennant for her favorite baseball team in her room as shown below.
 $85 \mathrm{in}^{2}{ }^{2}$, what is the measure of the base in inches?

Austin is helping his mom stain their wooden deck shown in the diagram below.


3
34 ft

9 How many square feet of the deck do 272
Austin and his mom need to stain?

$$
\begin{array}{r}
240 \\
+272 \\
\hline 512 f t^{2}
\end{array}
$$

10 If a can of stain covers 200 square feet, how many cans of stain will they need to buy to cover the entire deck?


