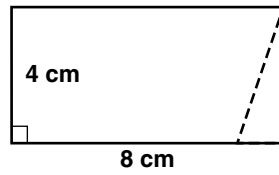
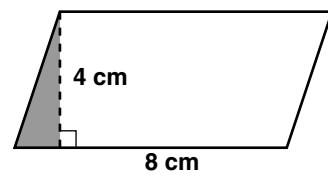


Reteaching 8-2

Area of a Parallelogram

You can use the area of a rectangle to find the area of a parallelogram.

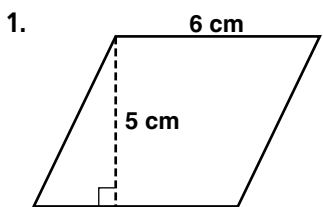
- ① Draw a perpendicular segment from one vertex to the opposite side to form a triangle.
- ② Move the triangle to the right side of the parallelogram to form a rectangle.
- ③ Find the area of the rectangle.
 $A = \text{length} \times \text{width} = \text{base} \times \text{height} = bh$

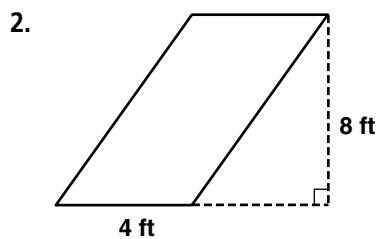


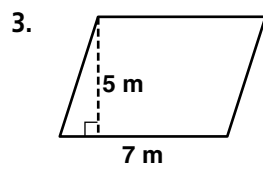
$$\begin{aligned}
 A &= bh \\
 &= 8 \cdot 4 \\
 &= 32 \text{ cm}^2
 \end{aligned}$$

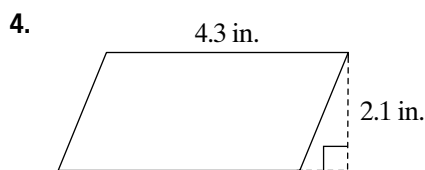
The parallelogram has the same base, height, and area as the rectangle.

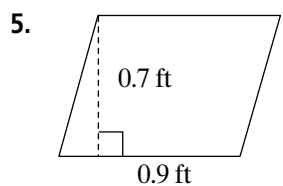
Find the area of each figure.

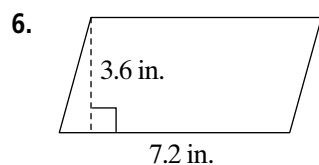












Find the area of a parallelogram with base length b and height h .

7. $b = 7 \text{ in.}, h = 4 \text{ in.}$

8. $b = 9 \text{ m}, h = 1.5 \text{ m}$

9. $b = 1.25 \text{ cm}, h = 2 \text{ cm}$

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