

## 8.5 Worksheet

### Geometry

Name: \_\_\_\_\_

Hour: \_\_\_\_ Date: \_\_\_\_\_

**Complete the statement.**

1. Either pair of parallel sides of a parallelogram are called the \_\_\_\_\_ of the parallelogram.

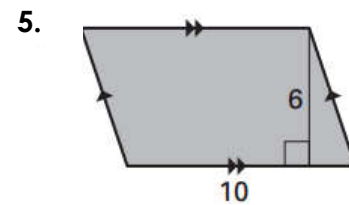
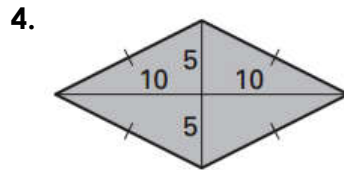
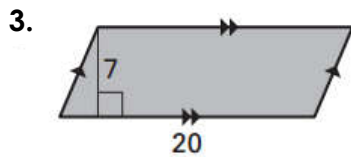
2. The shortest distance between the bases of a parallelogram is called the \_\_\_\_\_ of the parallelogram.

**Match the quadrilateral with the corresponding area equation.**

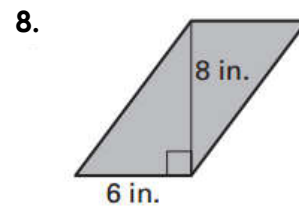
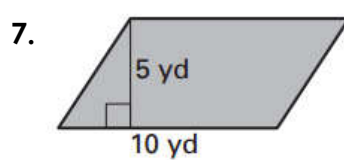
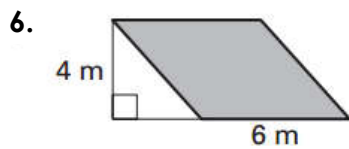
A.  $A = (10)(6)$

B.  $A = \frac{1}{2} (10)(20)$

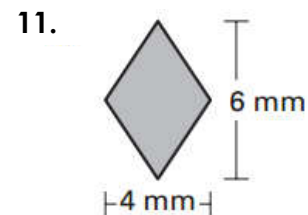
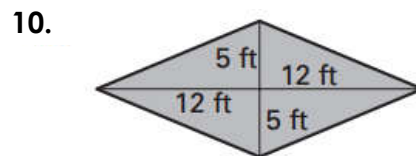
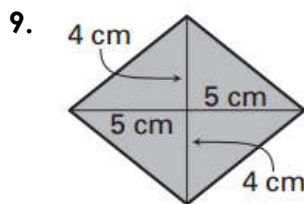
C.  $A = (20)(7)$



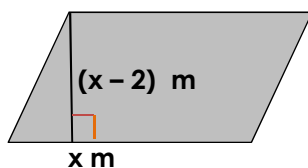
**Find the area of the parallelogram.**



**Find the area of the rhombus.**



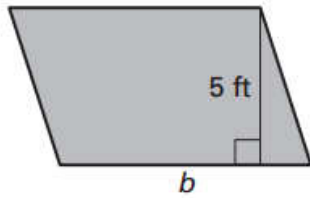
**12. Solve for x using the given area.**



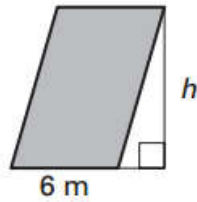
$A = 80 \text{ m}^2$

A gives the area of the parallelogram. Find the missing measure.

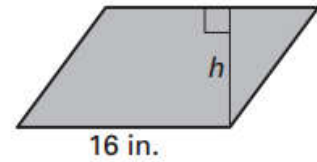
13.  $A = 40 \text{ ft}^2$



14.  $A = 54 \text{ m}^2$



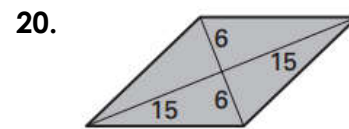
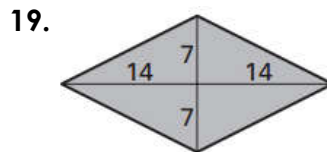
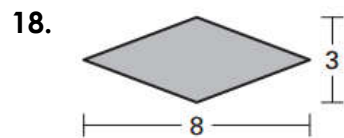
15.  $A = 144 \text{ in.}^2$



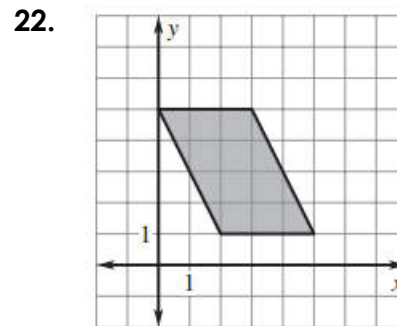
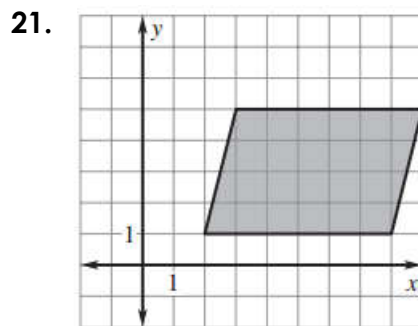
16. A parallelogram has a base of 8 yards and an area of 104 square yards. Find the height.

17. A parallelogram has a height of 12 meters and an area of 132 square meters. Find the base.

Find the area of the rhombus.



Find the area of the parallelogram.



23. Solve for  $x$  using the given area.

$A = 60 \text{ in}^2$

