

Name \_\_\_\_\_

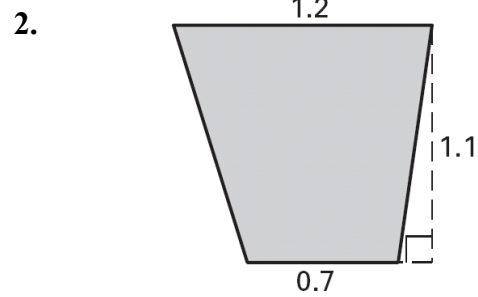
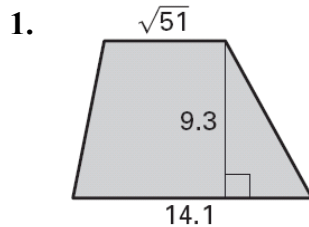
Date \_\_\_\_\_

**LESSON 11.2**

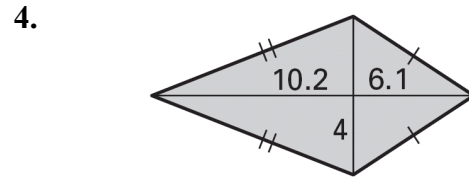
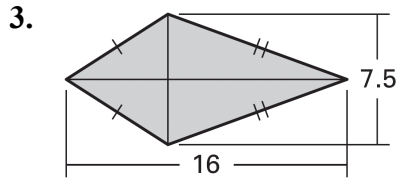
**Practice C**

*For use with pages 729-736*

**Find the area of the trapezoid.**

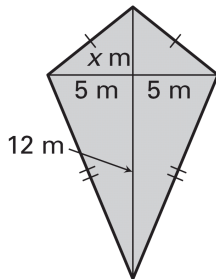


**Find the area of the rhombus or kite.**

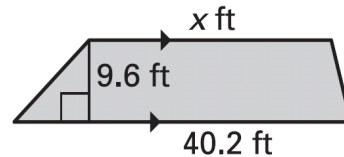


**Use the given information to find the value of x.**

5. Area =  $80 \text{ m}^2$



6. Area =  $288.96 \text{ ft}^2$



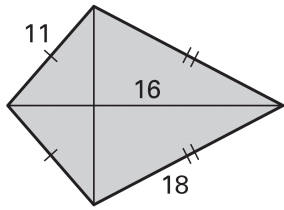
**Find the lengths of the bases of the trapezoid described.**

7. The height is 5 meters. One base is three times as long as the other base. The area is 70 square meters.

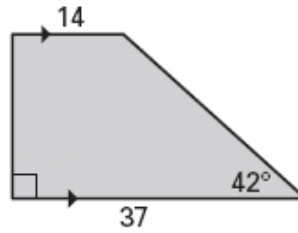
8. The height is 10 feet. One base is 4 feet longer than the other base. The area is 120 square feet.

Find the area of the shaded region.

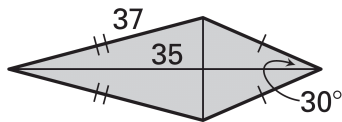
9.



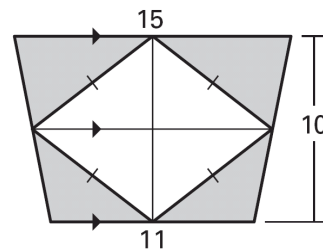
10.



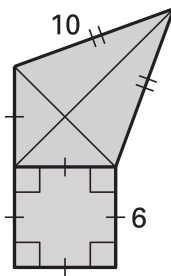
11.



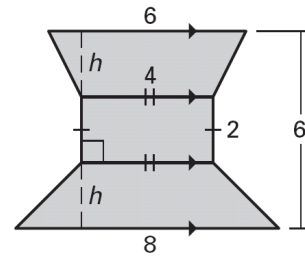
12.



13.



14.



15. **Advertising** You are in charge of designing a sign to advertise for a pastry company. The sign will be shaped to resemble a pie. The template diagram is given at the right. Find the area of the sign in terms of  $x$  units.

