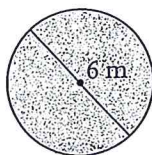


# A Practice by Example

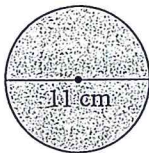
Example 1  
(page 396)

Find the area of each circle. Leave your answer in terms of  $\pi$ .

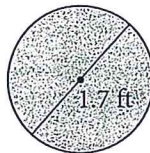
1.



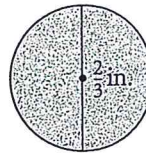
2.



3.



4.



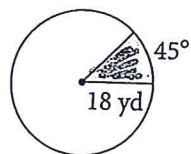
5. **Agriculture** Some farmers use a circular irrigation method. An irrigation arm acts as the radius of an irrigation circle. How much more land is covered with an irrigation arm of 300 ft than by an irrigation arm of 250 ft?

6. What is the difference in the areas of a circular table with diameter 6 ft and a circular table with diameter 8 ft?

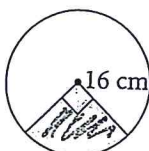
(page 396)

Find the area of each shaded sector of a circle. Leave your answer in terms of  $\pi$ .

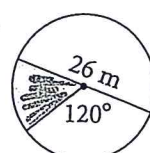
7.



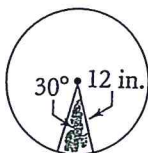
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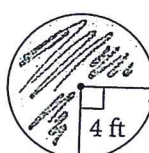
9.



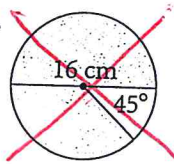
10.



11.

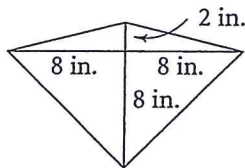


12.

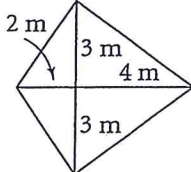


Find the area of each kite.

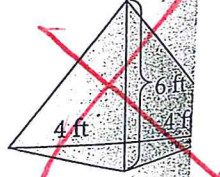
14.



15.



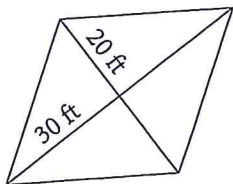
16.



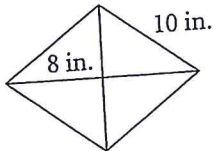
17. A kite has diagonals 7 ft and 16 ft. What is the area of the kite?

Find the area of each rhombus.

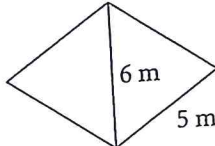
18.



19.



20.

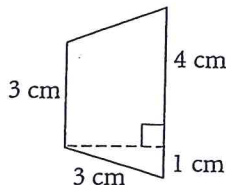


21. The end of the rain gutter has the shape of a trapezoid with the measurements shown. Find the area of this end.

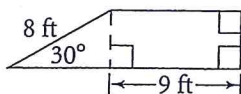
22. A trapezoid has two right angles, 12 m and 18 m bases, and a height of 8 m.

Find the area of each trapezoid to the nearest tenth.

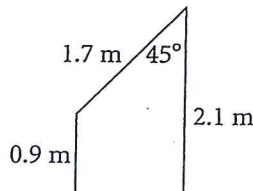
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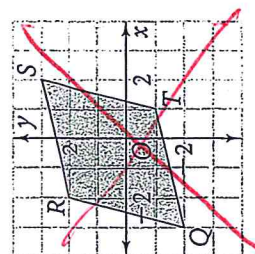
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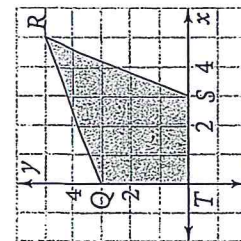
28.



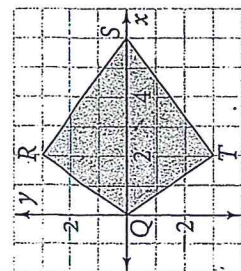
Coordinate Geometry In Exercises 29–32, find the area of quadrilateral  $QRST$ .



31.



30.



29.