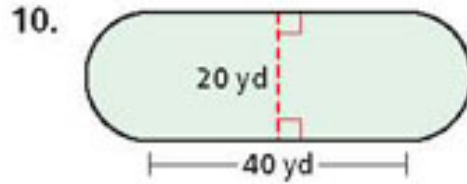
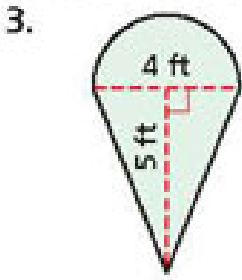


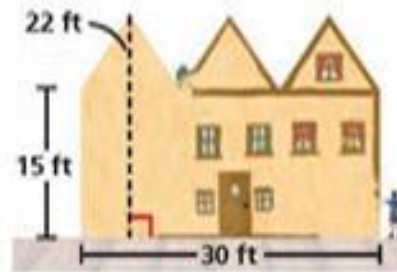
(3, 10) Find the shaded area. Round to the nearest tenth, if necessary.



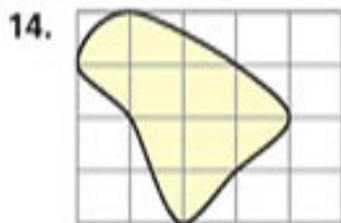
6. **Interior Decorating** Barbara is getting carpet installed in her living room and hallway. The cost of installation is \$6 per square yard. What is the total cost of installing the carpet?



13. **Drama** Pat is painting a stage backdrop for a play. The paint he is using covers 90 square feet per quart. How many quarts of paint should Pat buy?

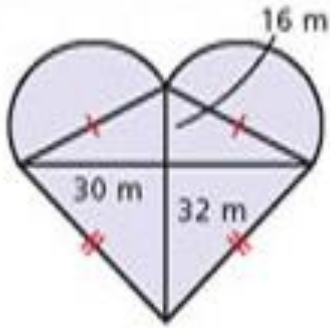


#14: Estimate the shaded region. The grid has squares with side lengths of 1 m.

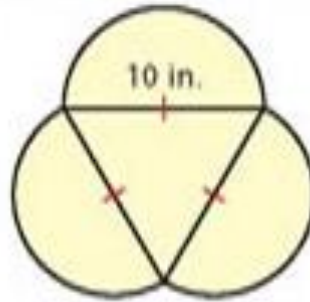


(18-19) Find the area of each figure. Give your answer in terms of  $\pi$

18.



19.



21. **Geography** Use the grid on the map of Lake Superior to estimate the area of the surface of the lake. Each square on the grid has a side length of 100 miles.

22. **Critical Thinking** A trapezoid can be divided into a rectangle and two triangles. Show that the area formula for a trapezoid gives the same result as the sum of the areas of the rectangle and triangles.



33. Find the area of the unshaded part of the rectangle.

(A)  $1800 \text{ m}^2$

(C)  $2925 \text{ m}^2$

(B)  $2250 \text{ m}^2$

(D)  $4725 \text{ m}^2$

