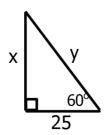
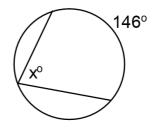
# **Spiral Review:**

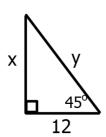
1. Solve for x. and y.



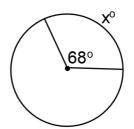
2. Solve for x.



3. Solve for x and y.



4. Solve for x.



## 11.1 - 11.3 Review

1. Match the picture with the correct formula that would be used to find the



$$A = \frac{1}{2}d_1d_2$$



$$A = \frac{x}{360} \cdot \pi r^2$$



$$A=\frac{1}{2}h\cdot(b_1+b_2)$$



$$A = \pi r^2$$

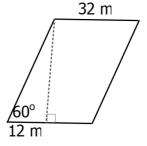


$$A = bh$$



$$A = \frac{1}{2}bh$$

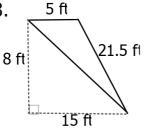
2. Find the area.



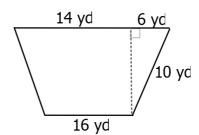
#### 11.1 - 11.3 Review

Find the area of each figure.

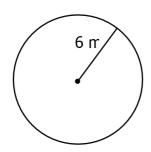
3.



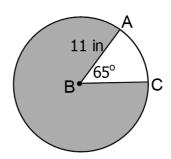
4.



5.



6.

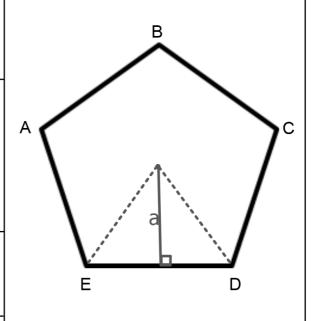


### p. 807 11.4 Areas of Regular Polygons and Composite Figures

- \*Apothem a segment drawn from the <u>center</u> of a regular polygon <u>perpendicular</u> to a side of the polygon.
- \*A **central angle** of a regular polygon has its <u>vertex</u> at the <u>center</u> and its sides pass through consecutive <u>vertices</u> of the polygon.
- \*The measure of each central angle of a regular n-gon is  $\frac{360}{12}$ .

#### Area of a Regular Polygon

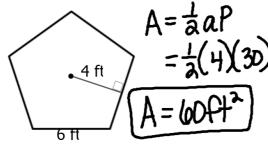
$$A = \frac{1}{2}aP$$



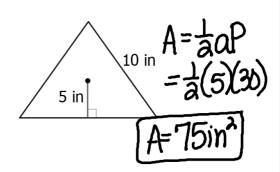
\* P = perimeter (add all sides)

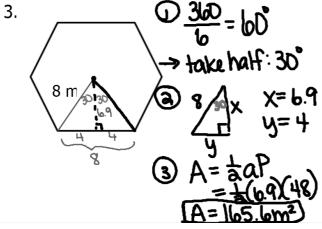
**Example 1:** Find the area of each regular polygon. Round to the nearest tenth.



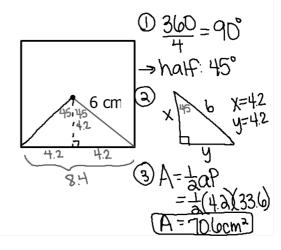


2.



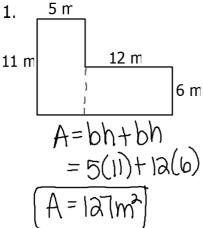


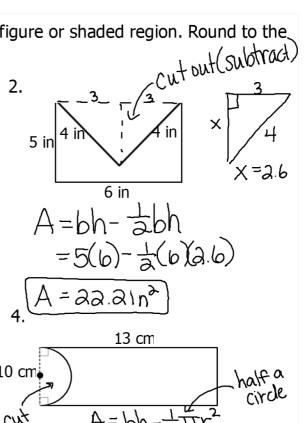
4.



#### **Example 2:** Find the area of each composite figure or shaded region. Round to the nearest tenth.

1.





3.

