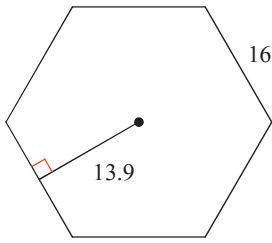


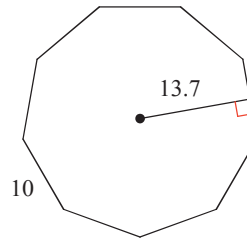
5.13.2 WS Area of Regular Polygons

Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

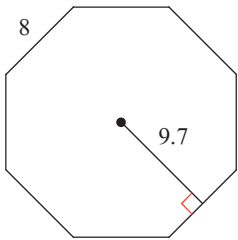
1)



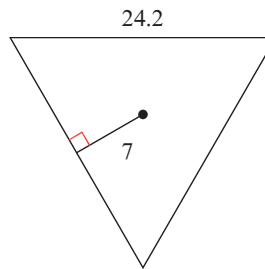
2)



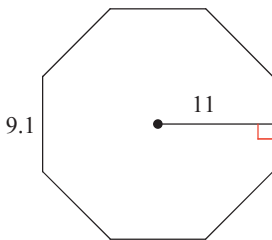
3)



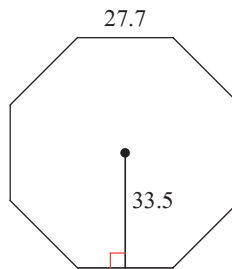
4)



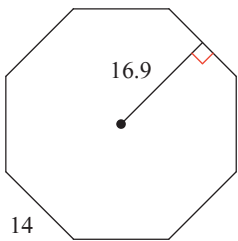
5)



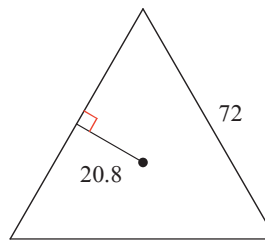
6)



7)



8)



9) 7-gon  
 apothem = 10  
 side = 9.6

10) triangle  
 apothem = 4  
 side = 14

11) octagon  
 apothem = 11.9  
 side = 9.9

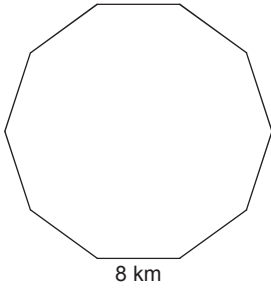
12) triangle  
 apothem = 4.6  
 side = 16

- 13) 7-gon  
apothem = 13  
side = 12.5

- 14) pentagon  
apothem = 9  
side = 13.1

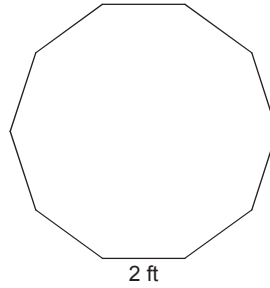
**Find the area of each figure. Round your answer to the nearest tenth.**

15)



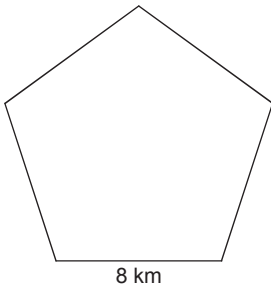
- A)  $492.4 \text{ km}^2$       B)  $517.8 \text{ km}^2$   
C)  $984.9 \text{ km}^2$       D)  $168.2 \text{ km}^2$

16)



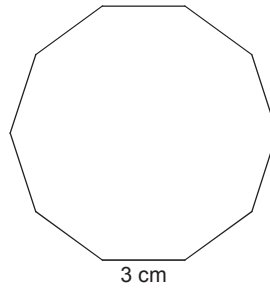
- A)  $30.8 \text{ ft}^2$       B)  $10.5 \text{ ft}^2$   
C)  $32.4 \text{ ft}^2$       D)  $61.6 \text{ ft}^2$

17)



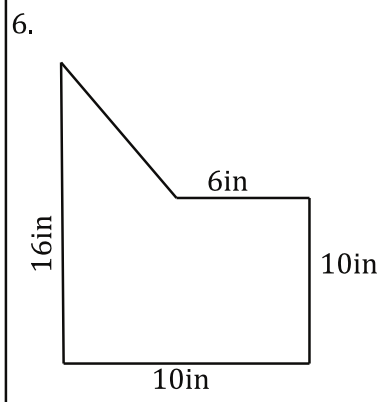
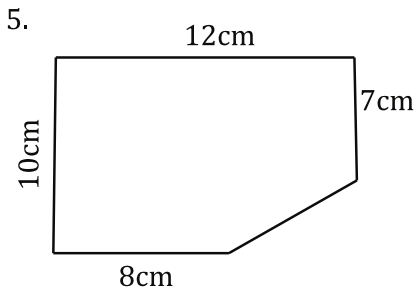
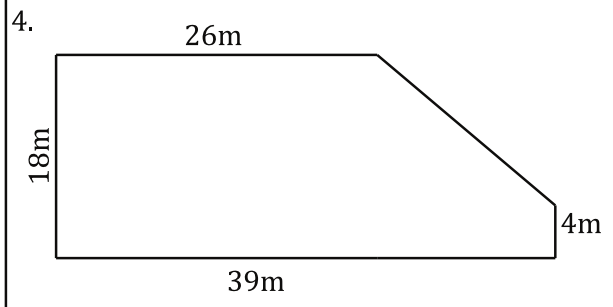
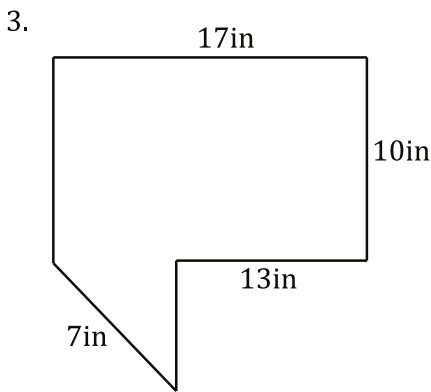
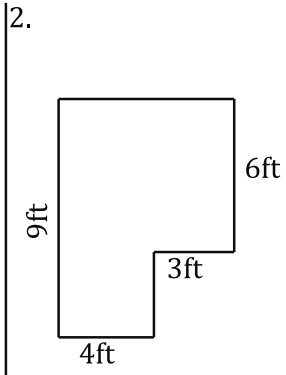
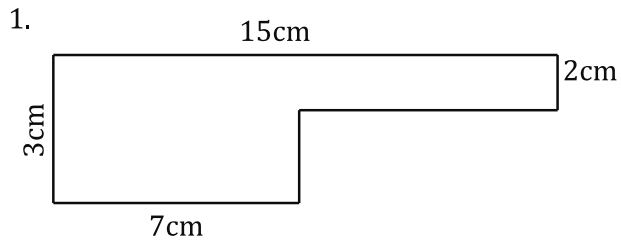
- A)  $98.9 \text{ km}^2$       B)  $110.1 \text{ km}^2$   
C)  $136.1 \text{ km}^2$       D)  $220.2 \text{ km}^2$

18)



- A)  $23.7 \text{ cm}^2$       B)  $138.5 \text{ cm}^2$   
C)  $72.8 \text{ cm}^2$       D)  $69.2 \text{ cm}^2$

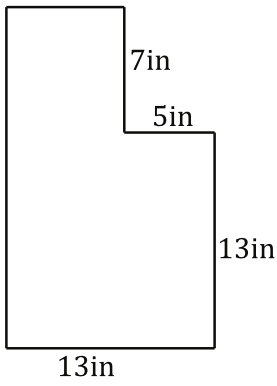
Find the area of each shape...



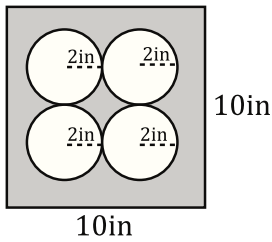
Bubble all the correct answers from above. Don't bubble incorrect answers.

- 54   
  11.36   
  78   
  114   
  77   
  112   
  611   
  632   
  37   
  181.48

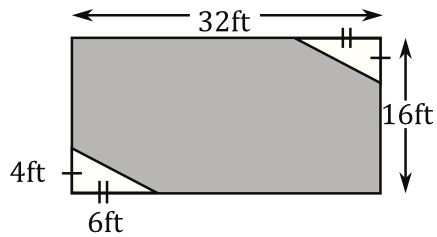
7.



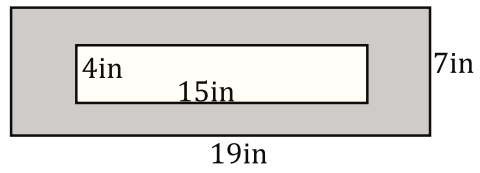
9. Find the shaded area.



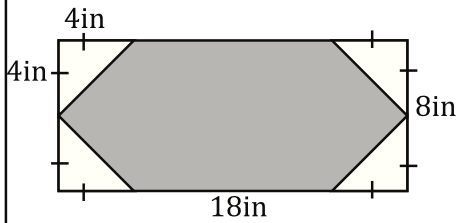
11. Find the shaded area.



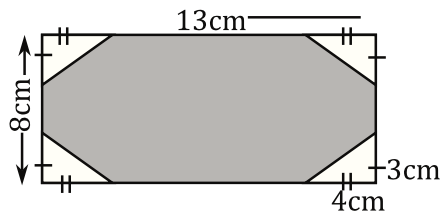
8. Find the shaded area.



10. Find the shaded area.



12. Find the shaded area.



Bubble all the correct answers from above. Don't bubble incorrect answers.

- 436   
  80   
  59.72   
  58.38   
  112   
  488   
  225   
  73   
  76   
  123