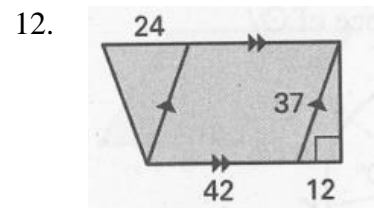
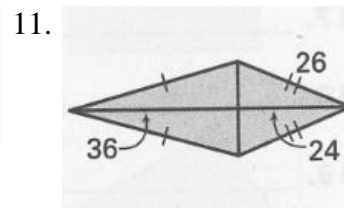
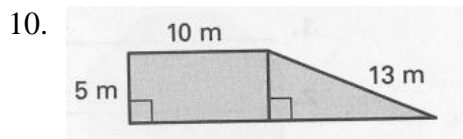
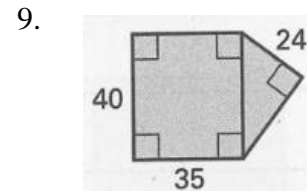
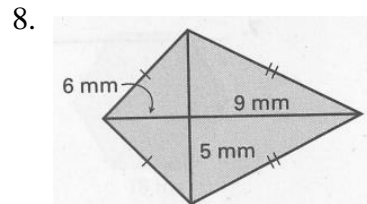
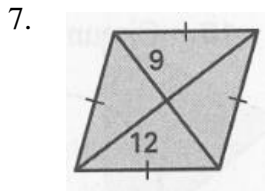
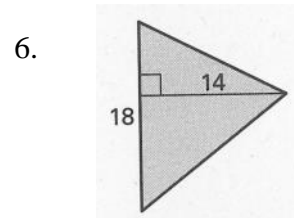
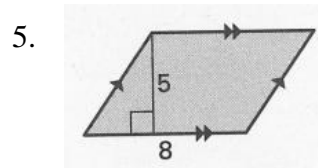
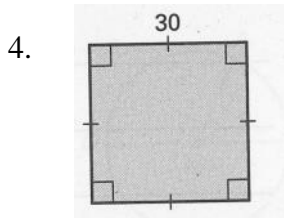
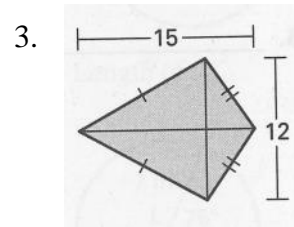
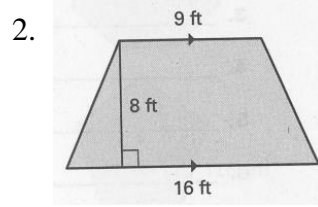
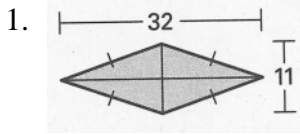
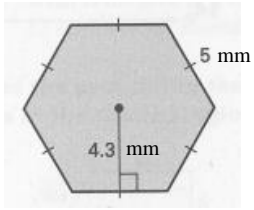


Find the area of the figure- label your answers.

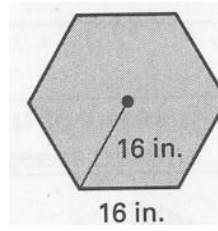


Find the area of the figure. Round to the nearest hundredth if necessary and label your answers.

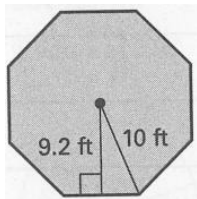
13.



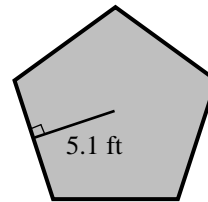
14.



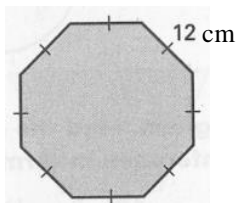
15.



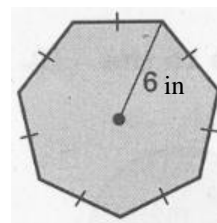
16.



17.



18.

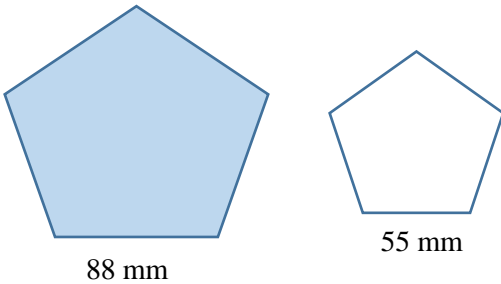


19. Complete the table of ratios for similar polygons.

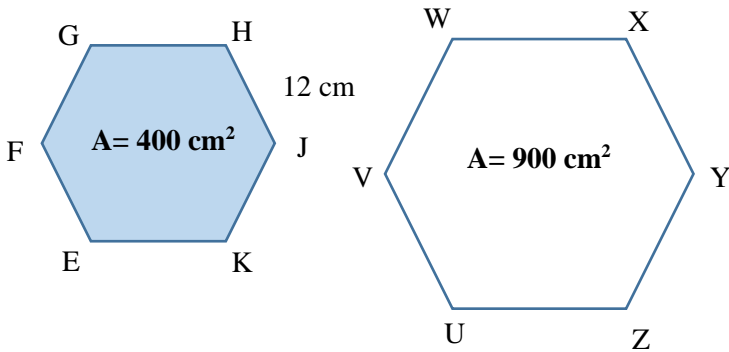
Ratio of corresponding side lengths	Ratio of Perimeters	Ratio of Areas
1:9		
	35:50	
		144:25
		12:27

20. Corresponding lengths in similar figures are given. Find the ratios (shaded to unshaded) of the perimeters and areas. Find the unknown area. Round to the measures to the nearest hundredth if necessary and label your answer.

Shaded Area= 1024 mm²

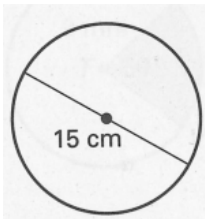


21. If EFGHJK~UVWXYZ, then use the given area to find XY. Round to the measures to the nearest hundredth if necessary and label your answer.



Find the indicated measure. Round to the measures to the nearest hundredth if necessary and label your answer.

22. Find the circumference and area



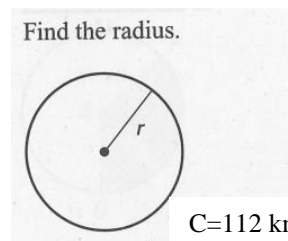
Exact Circumference =

Approx. Circumference ≈

Exact Area =

Approx. Area ≈

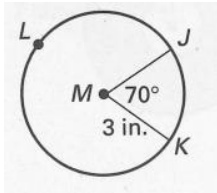
23. Find the radius



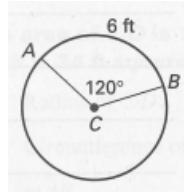
Exact Radius =

Approx. Radius ≈

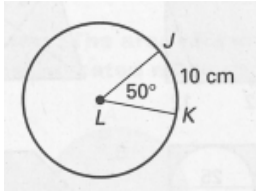
24. Length of \widehat{JK}



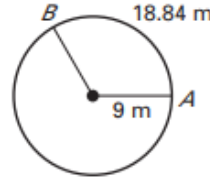
25. Radius of $\odot C$



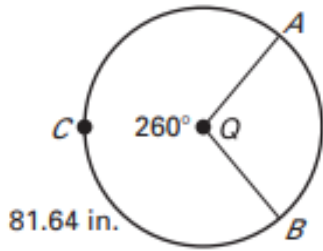
26. Circumference of $\odot L$



27. $m\widehat{AB}$



28. Use $\odot Q$ to find the indicated measures. Round to the measures to the nearest hundredth if necessary and label your answers.



a.) $m\widehat{ACB}$

b.) Arc Length \widehat{ACB}

c.) Radius of $\odot Q$

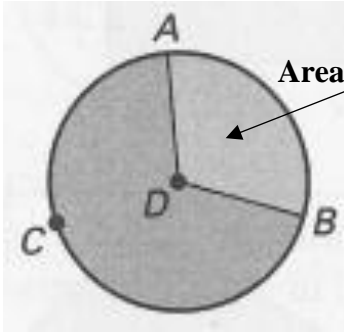
d.) $m\widehat{AB}$

e.) Arc Length \widehat{AB}

f.) Circumference of $\odot Q$

g.) Area of $\odot Q$

29. The area of $\odot D$ is 113.1 m^2 . The area of sector ADB is 34.6 m^2 . Find the indicated measure. Round to the measures to the nearest hundredth if necessary and label your answers.



a.) Radius of $\odot D$

b.) Circumference of $\odot D$

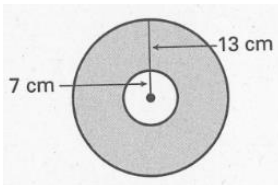
c.) $m\widehat{AB}$

d.) Length of \widehat{ACB}

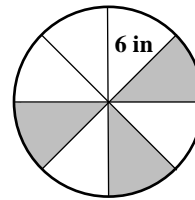
Area of $\odot D$ is 113.1 m^2

Find the area of the shaded region. Round to the measures to the nearest hundredth if necessary and label your answers.

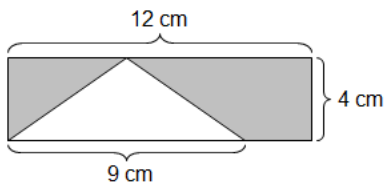
30.



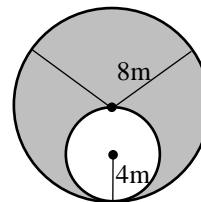
31.



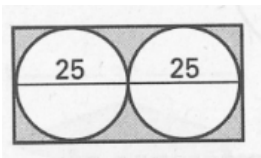
32.



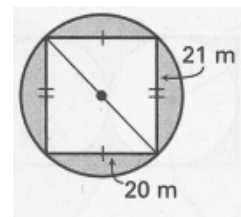
33.



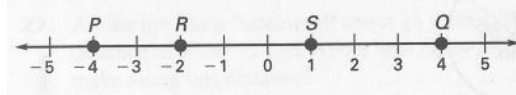
34.



35.



Find the probability that a point k , selected randomly on \overline{PQ} , is on the given segment. Express your answer as a fraction, decimal and percent.



36. \overline{RS}

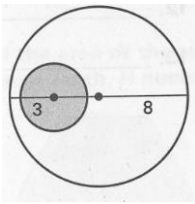
37. \overline{PQ}

38. \overline{PS}

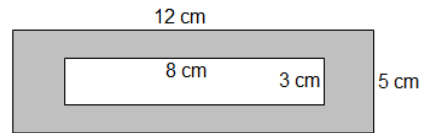
39. \overline{RQ}

Find the probability that a randomly chosen point in the figure lies in the shaded region. Round to the nearest hundredth if necessary and label your answers.

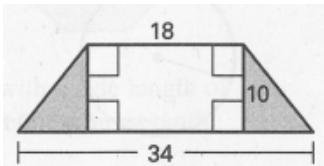
40.



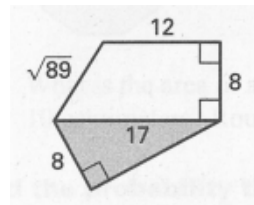
41.



42.



43.



44.

