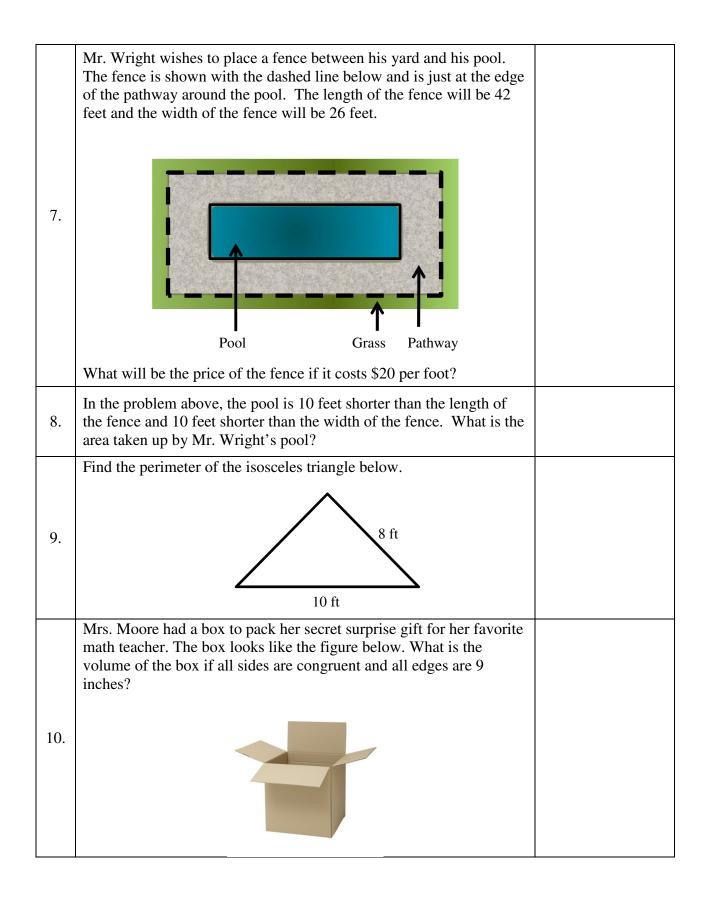
Show all work on a separate sheet of paper.

Be sure to show all steps when utilizing a formula to compute a length or area.

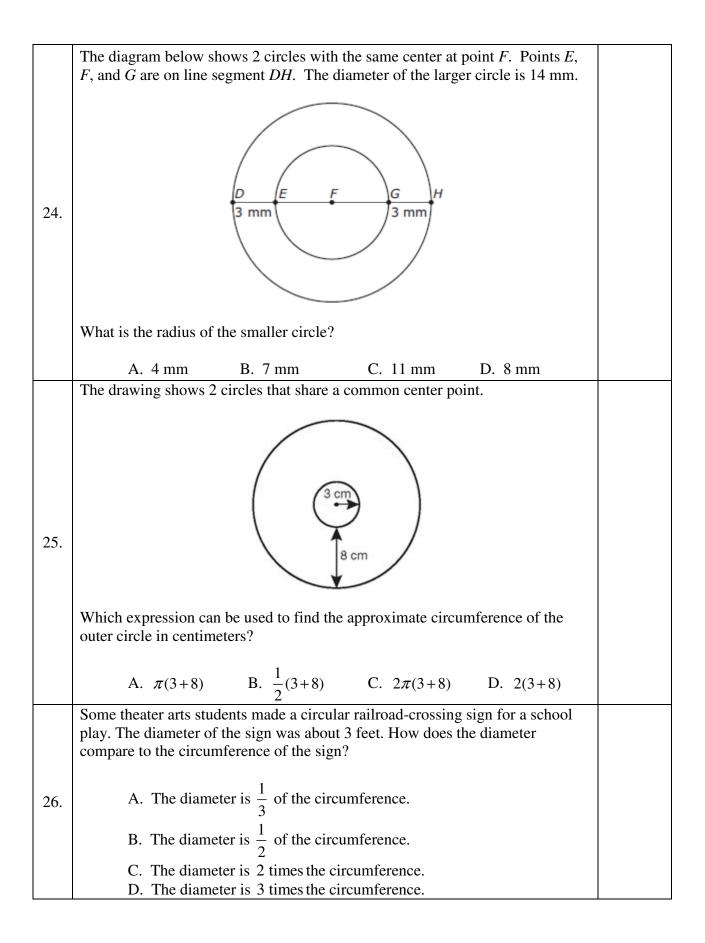
1.	A stop sign is a regular polygon with each side being 12.6 inches. What is the perimeter of a stop sign?					
2.	Using the formula $A = \frac{1}{2}bh$, find the area of a triangle with: • a height of 5 m • a base four times the height					
3.	A rectangle has a length of 10 ft. The width of the rectangle is 4 less than twice the length. What is the perimeter of the rectangle?					
-	Name each solid and give the number of faces, edges, and vertices.					
4 6.						
	Name		Name		Name	
	Faces		Faces		Faces	
	Edges		Edges		Edges	
	Vertices		Vertices		Vertices	

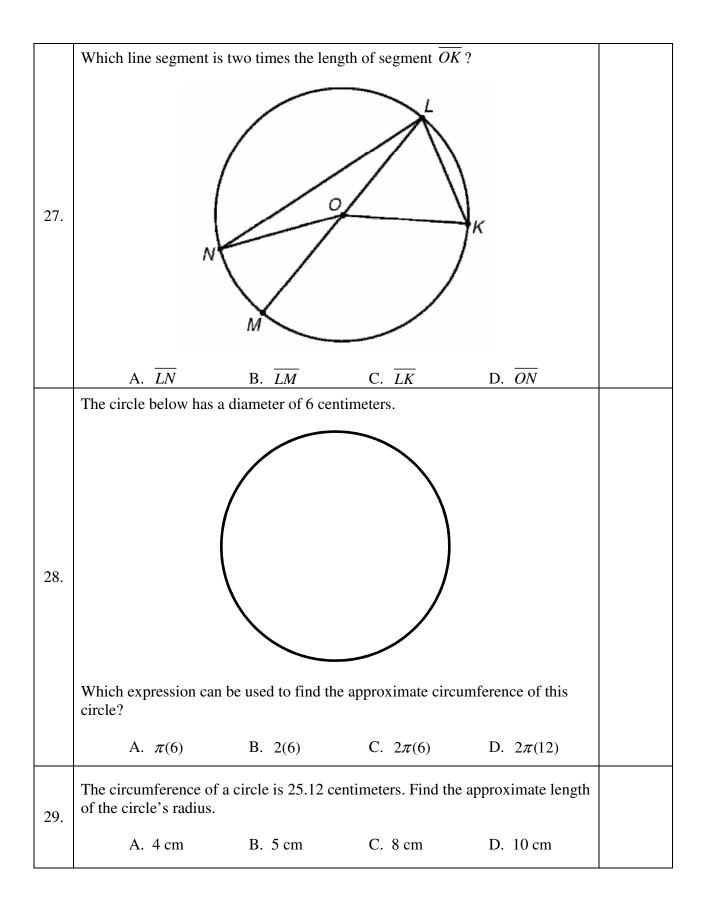


11.	Mr. Gresham has a wonderful backyard at his house. It is rectangular and has a total area of 245 ft ² . What is the length of the backyard if the width is 7 ft?					
	The table below shows the height and area of several triangles. All of these triangles have a base length of 6 feet.					
	Triangles					
l		Height, h (feet)	Area, A (square feet)	_		
		5	15			
		10	30			
12.		15	45			
		20	60			
Which of the following equations best represents the relationship between the height, h, and area, A, of these triangles?A. $A = h + 5$ C. $A = \frac{h}{3}$ B. $A = h + 10$ D. $A = 3h$ The table below shows the length and area of several rectangles. Each rectangle has a width of 12 feet.						
	Rectangles					
		Length, <i>h</i> (feet)	Area, A (square feet	<u>/</u>		
		6	72			
13.		8	96			
13.		10	120			
		n				
	Which expression can be used to find the area of a rectangle with the same width and a length of n feet?					
	A. n^2	B. 12 <i>n</i>	C. <i>n</i> +24	D. $\frac{n}{12}$		

	Which expression can be used to find the area of a triangle that has a base of 5 units and a height of <i>n</i> units?					
	Rectangles					
	Height (units)	Base (units)	Area (square units)			
	4	5	10			
14.	8	5	20			
-	12	5	30			
	16	5	40			
	n	5	?			
	A. $\frac{n}{2}$ E	3. $\frac{5}{2}$	C. $5n$ D. $\frac{5n}{2}$			
15.	Mrs. Atkins found the length of one edge of a square to be 16 inches. Which of the following could be used to find P , the perimeter of the square?					
	A. $\frac{16}{4}$ E	3. 4×16	C. 16+4 D. 16-	-4		
	The figure below represents the floor of a building. Use the ruler provided to					
	measure the dimensions of the figure to the nearest $\frac{1}{2}$ inch.					
16.						
	Scale $1 \text{ in.} = 20 \text{ ft}$					
	Which is closest to the perimeter in feet of the floor of the actual building?					
	A. 160 ft	B. 8 ft	C. 7 ft D. 140	ft		

17.	The table below shows how width increases and its lengt Width, w (i 5 7 9	h and height remain th Rectangular Prisms	he same.		
17.	$V = 20w + 300$ $V = w \div 80$ B. $V = 80w$ D. $V = w \div 395$				
18.	Draw and label each part as written. Diameter Circumference Radius Center				
	Complete the following table. Use 3.14 for π .				
19	Circumference	Radius	Diameter		
22.		3 ft	14 in		
23.	You know the circumference of a circle. Which operation would you need to complete to determine the diameter of the circle?				
	A. Add π B. Subtract π	C. Divide by D. Multiply	-		





The circumference of a circular garden is 32 feet. Which of the following expressions best represents the radius of the garden?

30.
A.
$$\frac{32}{\pi}$$
C. $\frac{32}{2\pi}$

B. $32 \bullet \pi$
D. $32 \bullet 2\pi$