Name:			Class Period:
SM3	WS 8.R - Ge	ometry Test Review	
Be sure to label	answers correctly, where	appropriate.	
1. Find the surface area of	f the cone in terms of π .	11 cm	
	Type an exact answer in terms of π .		you make in a paper that is 5 m
by 15 m.		Find the probability th	nat a point chosen at random will lie in the shaded area.
3.		a. 0.12	b. 0.52 c. 0.32 d. 0.83
	cubic inch ubic inch		2 in. 8 in.
5. Complete the A.	following conversions:		
70km			ft

sec

hr

325 in ²	cm^2

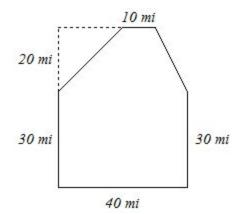
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145 g		kg
cm^3		m^3

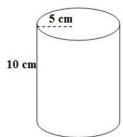
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1 label		1200 <i>ft</i> ²	labels
25 cm ²			

- 9. A ranch in Wyoming has 15,300 horses. The dimensions of the ranch are shown below. What is the population density of the horse ranch?
- a. 90 horses per square mile
- b. 12 horses per square mile
- c. 1700 horses per square mile
- d. 9 horses per square mile



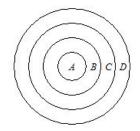
- 10. If another area has a similar shape, but the sides are 2.75 times bigger, what would be the area of the Similar Shape?
- 11. Solve for x: $log_2(x+3) M = 3$
- 12. A cylindrical can has dimensions as shown.



- a. Exact Surface area of JUST a LABEL around can.
- b. Approximate Surface area of JUST the label around can.

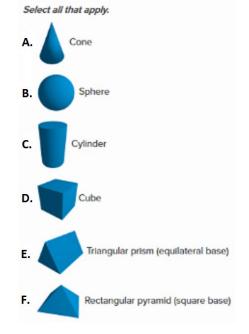
- 13. A shape that is defined by the points (2, 5), (5, 3), (5, 0), (2, 0) is rotated around the x-axis. Draw the 3-dimensional shape that is formed.
- 14.

The radius of the bull's-eye of the dartboard is 8 inches. The radius of each concentric circle is 8 inches more than the radius of the circle inside it. If a dart lands at random on the dartboard, what is the probability that the dart will hit in area C?



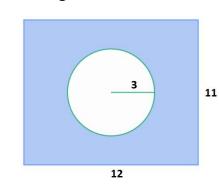
- a. $\frac{1}{4}$
- b. $\frac{3}{4}$
- c. $\frac{9}{16}$
- d. $\frac{5}{16}$

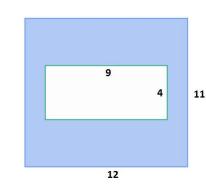
- 15. Solve for x. $3e^{2x} 6C = 21$
- 16. Which of the following objects could be used to create:
 - A. A triangular cross section?
 - B. A circular cross section?
 - C. A rectangular cross section?
 - D. An elliptical (oval) cross section?



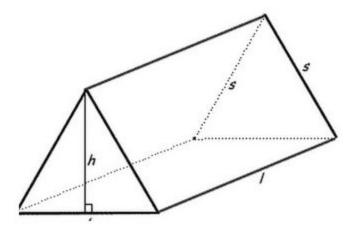
17. If you are using these boards for a bean bag toss

competition, what would be the probability be of hitting in the shaded area(s)? Is this a fair game?





18. Find the Surface area of the following triangular prism where s = 10cm and l = 25cm.



19. How many of these prisms could you wrap in a paper that is 2 m by 3 m?

20. You find a rectangular prism that is 3cm by 10cm by 5 cm. If the prism is gold, what is the mass of the substance?

SUBSTANCE	DENSITY (G/CM
AIR	0.0013
WOOD (OAK)	0.85
WATER	1.00
ICE	0.93
ALUMINUM	2.7
LEAD	11.3
GOLD	19.3
ETHANOL	0.94
METHANOL	0.79

21. How many pounds does this weigh?