

2007 ICTM Geometry Exam

Item	Key	Answer	Matching State Standard
1.	(A)	0	
2.	(D)	160 cubic feet	
3.	(C)	$10\frac{2}{3}$	
4.	(A)	648	
5.	(C)	300% (answer is not D) $(4\pi r^2 - \pi r^2) \cdot 100 / (\pi r^2) = 300\%$	
6.	(D)	an infinite non-repeating decimal	
7.	(C)	9	
8.	(C)	remains constant	
9.	(B)	24 cubic inches	
10.	(B)	34 mph	
11.	(D)	8 ft	
12.	(E)	30 square inches	
13.	(D)	15°	
14.	(E)	none of these	
15.	(E)	70°	
16.	(D)	8.8 inches	
17.	(C)	Doubling the radius of a circle doubles the area.	
18.	(E)	7	
19.	(A)	63.7%	
20.	(B)	$x = 3y$	
21.	(C)	be increased about 2%	
22.	(C)	$4\sqrt{3}$	
23.	(B)	$\frac{1}{2}$ the area of the original square	
24.	(A)	2	
25.	(B)	$2\sqrt{3}$	
26.	(A)	a circle	
27.	(B)	$\frac{2 - \sqrt{2}}{2}$	
28.	(D)	the ratio of the altitude to the corresponding base	
29.	(C)	330°	
30.	(A)	60°	
31.	(E)	$\frac{4\pi}{3\sqrt{3}}$	
32.	(D)	$20\sqrt{3}$	