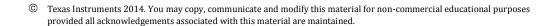
## Measurement & Geometry Assessment

## **ACMMG242 (E)**



Name: Score:					N.	1		28		
					Assessment		Navigator	Studer	nt 30 min	
Tead	her:					_				
Q.1.	A re	ectangular box	8 cm	x 12 cm x 5 cı	m has v	volume:				
	a)	25 cm	b)	392 cm <sup>2</sup>	c)	480 cm <sup>2</sup>	d)	960 cm <sup>2</sup>	e)	None of these
Q.2.	A re	ectangular box	7 cm	x 8 cm x 5 cm	has to	tal surface area	a:			
	a)	30 cm	b)	131 cm <sup>2</sup>	c)	262 cm <sup>2</sup>	d)	280 cm <sup>2</sup>	e)	280 cm <sup>3</sup>
Q.3.	A rectangular box (shown below) without a lid measuring 4 cm x 5 cm x 6 cm has a total external surface area:									
	a)	15 cm	b)	118 cm <sup>2</sup>	c)	120 cm <sup>2</sup>		$4^{\uparrow}$		2
	d)	148 cm <sup>2</sup>	e)	240 cm <sup>2</sup>					5	/6
Q.4.	A sphere of radius 9 cm has volume:									
	a)	$81\pi \text{ cm}^3$	b)	$324\pi \text{ cm}^2$	c)	729 cm <sup>3</sup>			9	
	d)	729π cm <sup>3</sup>	e)	972π cm <sup>3</sup>						)
Q.5.	A sphere of radius 6 cm has surface area:									
	a)	$12\pi \text{ cm}^2$	b)	36 cm <sup>2</sup>	c)	$36\pi \text{ cm}^2$		Commence of the Commence of th	6_	
	d)	$144\pi$ cm <sup>2</sup>	e)	288π cm <sup>2</sup>						
Q.6.	A cylinder radius 7 cm and height 10 cm has volume:									
	a)	70 cm <sup>3</sup>	b)	$70\pi \text{ cm}^3$	c)	$140\pi \text{ cm}^3$				
	d)	490 cm <sup>3</sup>	e)	$490\pi \text{ cm}^3$					7	10
Q.7.		A cylinder of diameter 10cm and height 12cm harea:								
	a)	$145\pi \text{ cm}^2$	b)	$170\pi\;\text{cm}^2$	c)	$240\pi \text{ cm}^2$				12



d)  $340 \, \pi \, cm^2$ 



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Q.8.	Determine the volume of the shape below using the measurements provided.								
Q.9.	Determine the total surface area of the square based pyramid shown below using the measurements provided.								
	h=4								
Q.10.	The shape below consists of a square based pyramid on top of a box. Use the measurements provided to determine the total surface area.								
	$\frac{h=3}{5}$								

