

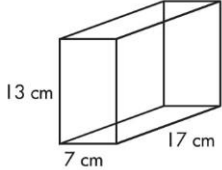
Math 6 - Unit 5: Area & Volume

Surface Area Practice Sheet

Name: _____

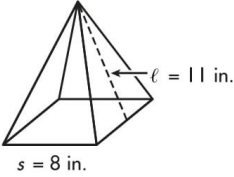
Class Period: 1 2 3 4 Date: _____

Use the tables to find the surface area for each shape below.

Figure: 		Name: _____		Net: _____	
Face #1 (Front)	Face #2 (Back)	Face #3 (Side)	Face #4 (Side)	Face #5 (Top)	Face #6 (Bottom)
Shape:	Shape:	Shape:	Shape:	Shape:	Shape:
Formula:	Formula:	Formula:	Formula:	Formula:	Formula:
Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	Substitute & Solve:
Solution:	Solution:	Solution:	Solution:	Solution:	Solution:

$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

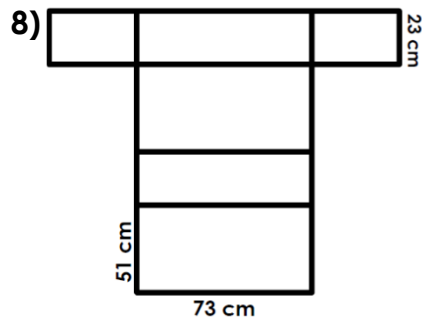
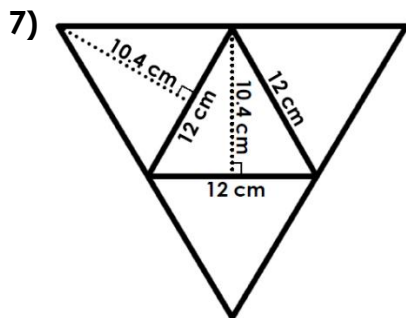
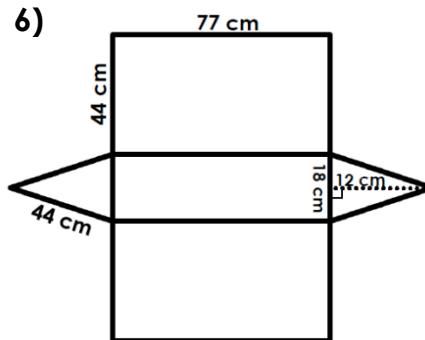
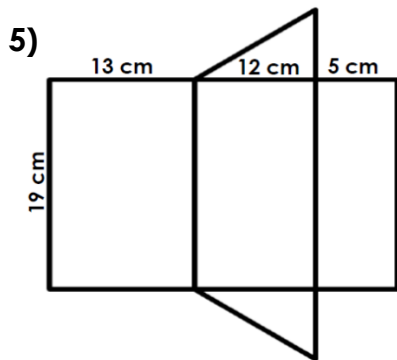
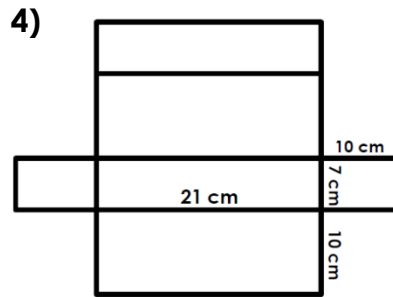
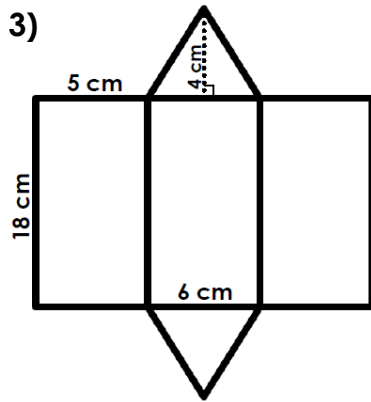
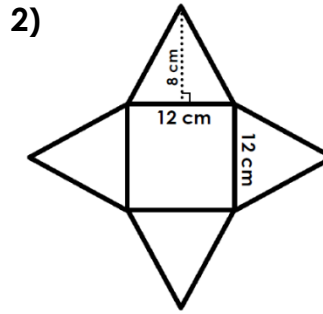
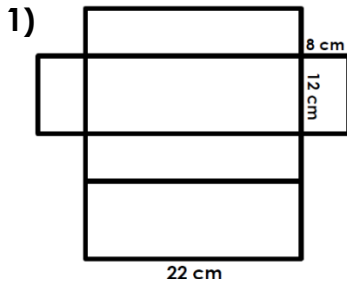
Total **Surface Area** of this Figure: _____ (Don't forget your units!)

Figure: 		Name: _____		Net: _____	
Face #1 (Bottom)	Face #2 (Side)	Face #3 (Side)	Face #4 (Side)	Face #5 (Side)	
Shape:	Shape:	Shape:	Shape:	Shape:	
Formula:	Formula:	Formula:	Formula:	Formula:	
Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	Substitute & Solve:	
Solution:	Solution:	Solution:	Solution:	Solution:	

$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

Total **Surface Area** of this Figure: _____ (Don't forget your units!)

Find the surface area for each shape below. Show ALL your work and use the correct units.



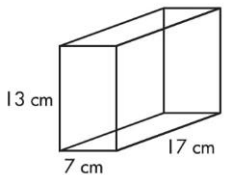
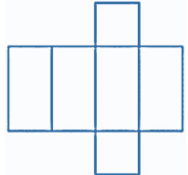
Math 6 - Unit 5: Area & Volume

Name: _____

Surface Area Practice Sheet **ANSWER KEY**

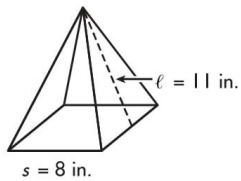
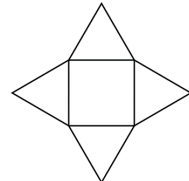
Class Period: 1 2 3 4 Date: _____

Use the tables to find the surface area for each shape below.

Figure: 		Name: Rectangular Prism		Net: 	
Face #1 (Front)	Face #2 (Back)	Face #3 (Side)	Face #4 (Side)	Face #5 (Top)	Face #6 (Bottom)
Shape: Rectangle	Shape: Rectangle	Shape: Rectangle	Shape: Rectangle	Shape: Rectangle	Shape: Rectangle
Formula: A=bh	Formula: A=bh	Formula: A=bh	Formula: A=bh	Formula: A=bh	Formula: A=bh
Substitute & Solve: A = 7(13)	Substitute & Solve: A = 7(13)	Substitute & Solve: A = 17(13)	Substitute & Solve: A = 17(13)	Substitute & Solve: A = 7(17)	Substitute & Solve: A = 7(17)
Solution: 91 cm²	Solution: 91 cm²	Solution: 221 cm²	Solution: 221 cm²	Solution: 119 cm²	Solution: 119 cm²

$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

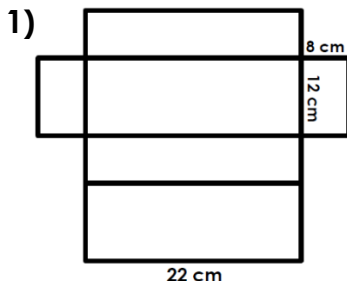
Total **Surface Area** of this Figure: **862 cm²** (Don't forget your units!)

Figure: 		Name: Square Pyramid		Net: 	
Face #1 (Bottom)	Face #2 (Side)	Face #3 (Side)	Face #4 (Side)	Face #5 (Side)	
Shape: Square	Shape: Triangle	Shape: Triangle	Shape: Triangle	Shape: Triangle	
Formula: A=bh	Formula: A=$\frac{1}{2}$bh	Formula: A=$\frac{1}{2}$bh	Formula: A=$\frac{1}{2}$bh	Formula: A=$\frac{1}{2}$bh	
Substitute: A = 8(8)	Substitute: A=$\frac{1}{2}$(8)(11) A = 4(11)	Substitute: A=$\frac{1}{2}$(8)(11) A = 4(11)	Substitute: A=$\frac{1}{2}$(8)(11) A = 4(11)	Substitute: A=$\frac{1}{2}$(8)(11) A = 4(11)	
Solution: 64 in²	Solution: 44 in²	Solution: 44 in²	Solution: 44 in²	Solution: 44 in²	

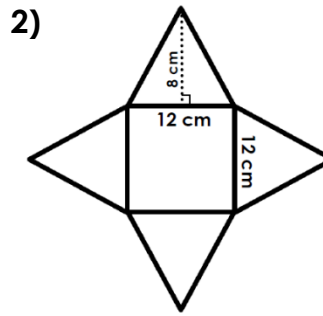
$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

Total **Surface Area** of this Figure: **240in²** (Don't forget your units!)

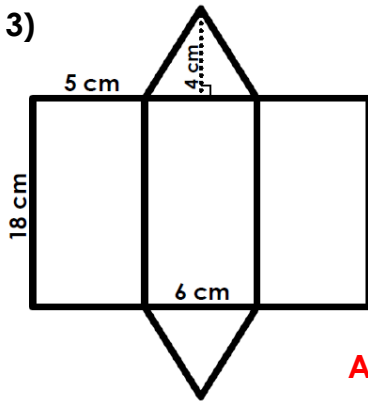
Find the surface area for each shape below. Show ALL your work and use the correct units.



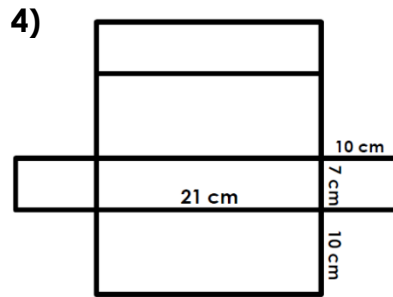
$A = 1072 \text{ cm}^2$



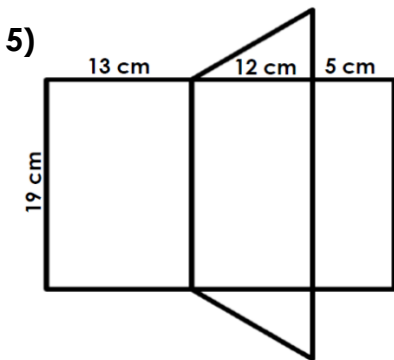
$A = 336 \text{ cm}^2$



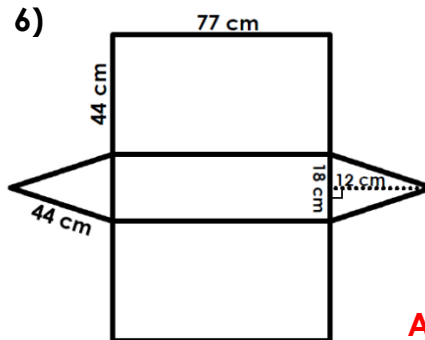
$A = 312 \text{ cm}^2$



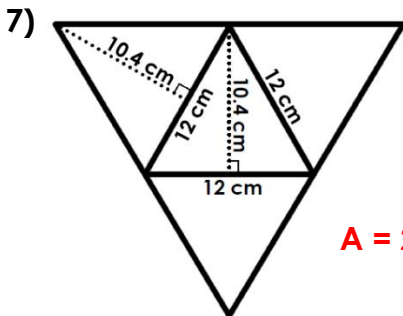
$A = 854 \text{ cm}^2$



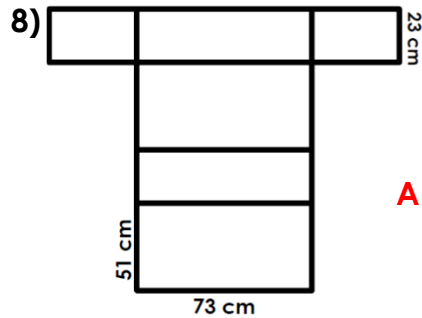
$A = 630 \text{ cm}^2$



$A = 8378 \text{ cm}^2$



$A = 249.6 \text{ cm}^2$



$A = 13150 \text{ cm}^2$