

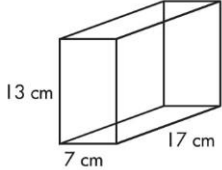
Math 6 - Unit 5: Area & Volume

Surface Area Practice Sheet

Name: _____

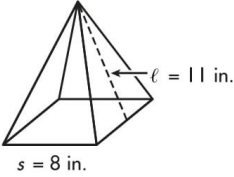
Class Period: 1 2 3 4 Date: _____

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:

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

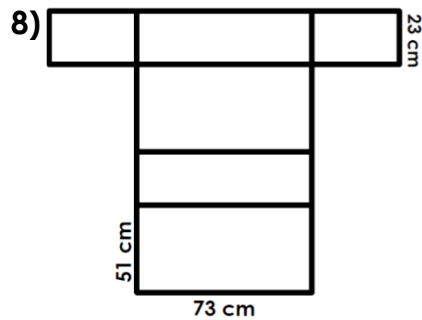
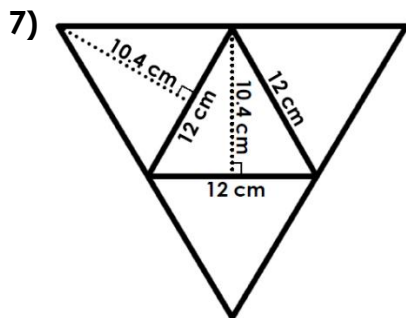
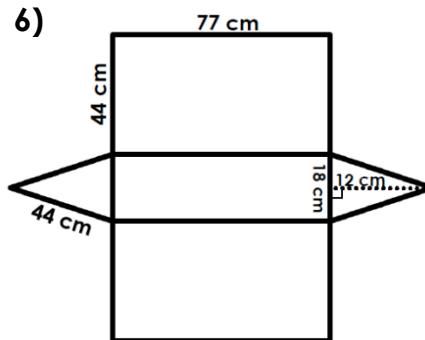
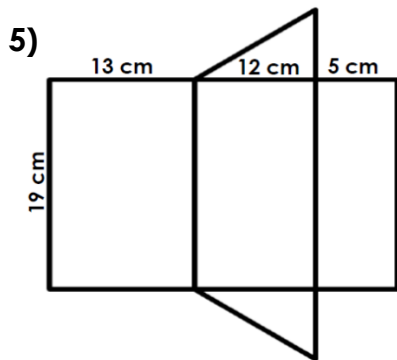
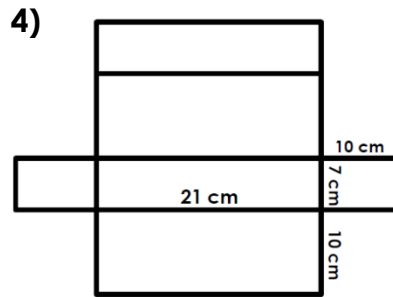
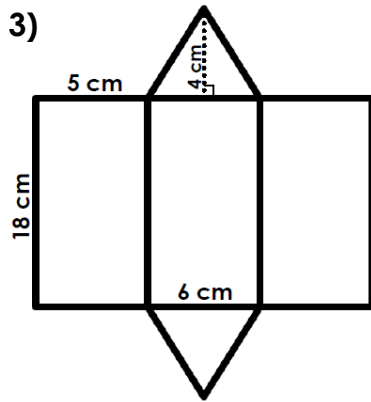
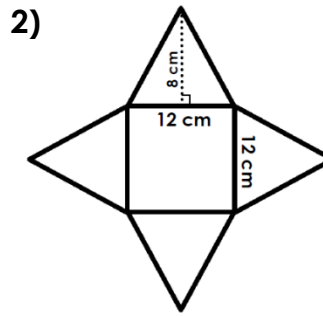
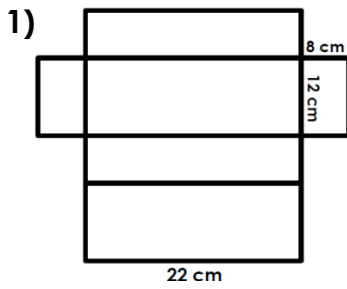
Total **Surface Area** of this Figure: _____ (Don't forget your units!)

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.



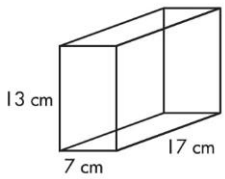
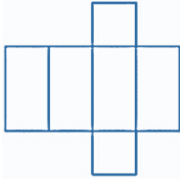
Math 6 - Unit 5: Area & Volume

Name: _____

Surface Area Practice Sheet **ANSWER KEY**

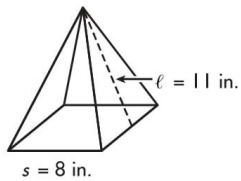
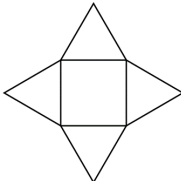
Class Period: 1 2 3 4 Date: _____

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 cm^2	Solution: 91 cm^2	Solution: 221 cm^2	Solution: 221 cm^2	Solution: 119 cm^2	Solution: 119 cm^2

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

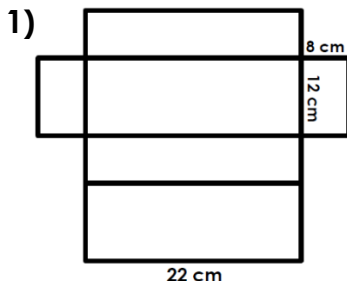
Total **Surface Area** of this Figure: **862 cm^2** (Don't forget your units!)

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 in^2	Solution: 44 in^2	Solution: 44 in^2	Solution: 44 in^2	Solution: 44 in^2	

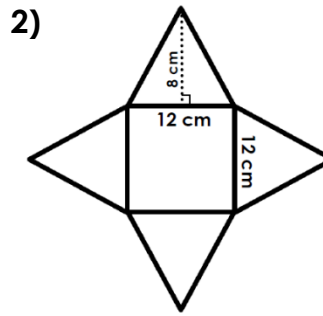
$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

Total **Surface Area** of this Figure: **240 in^2** (Don't forget your units!)

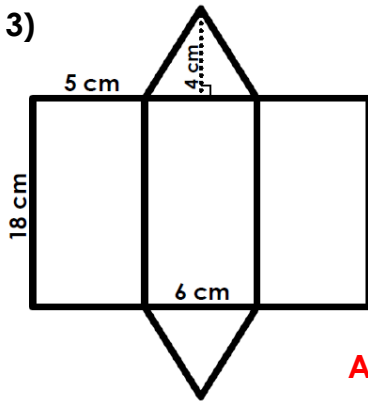
Find the surface area for each shape below. Show ALL your work and use the correct units.



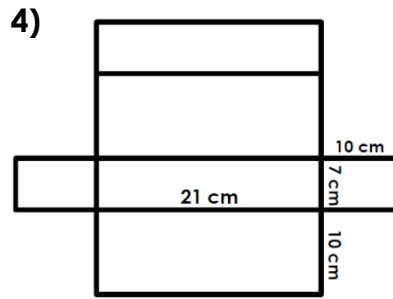
$A = 1072 \text{ cm}^2$



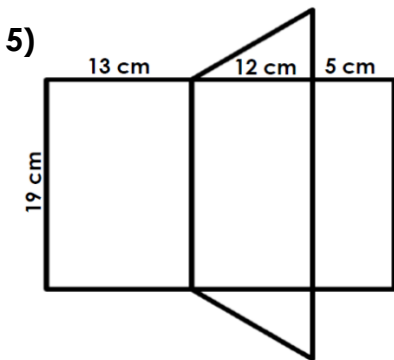
$A = 336 \text{ cm}^2$



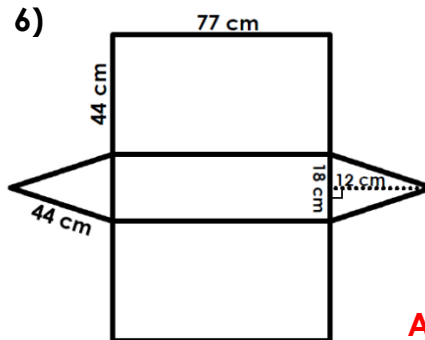
$A = 312 \text{ cm}^2$



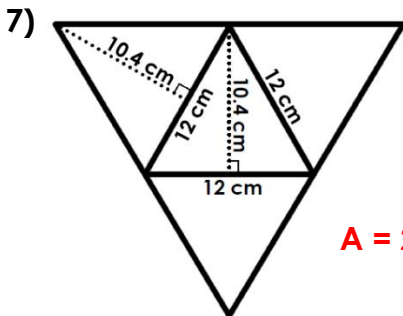
$A = 854 \text{ cm}^2$



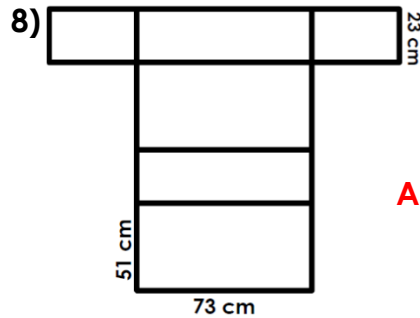
$A = 630 \text{ cm}^2$



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



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



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