

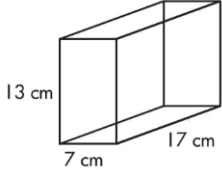
# Math 6 - Unit 5: Area & Volume

## Surface Area Practice Sheet

Name: \_\_\_\_\_

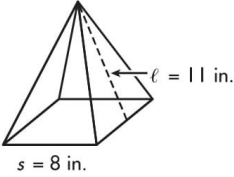
Class Period: 1 2 3 4 Date: \_\_\_\_\_

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:

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

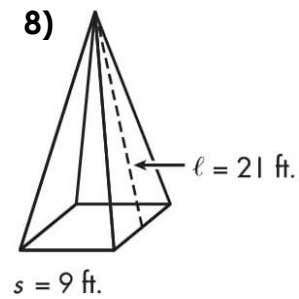
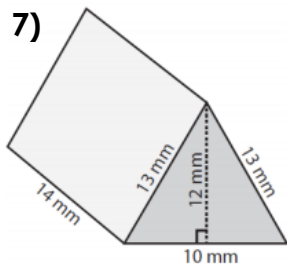
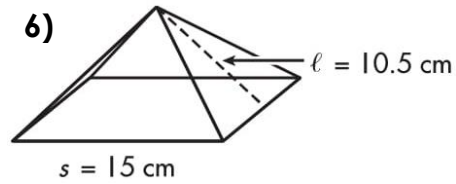
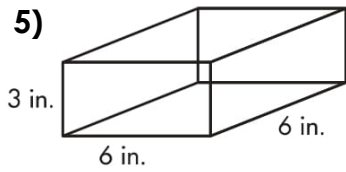
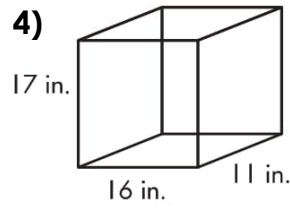
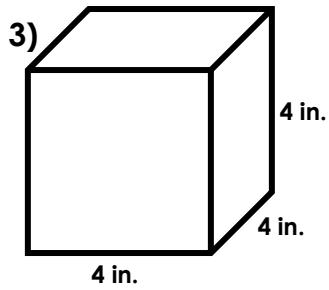
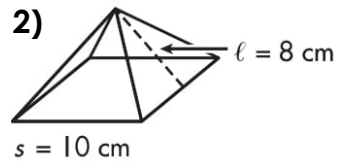
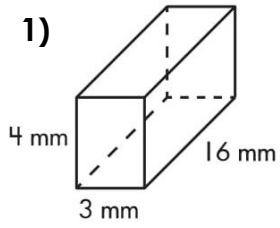
Total **Surface Area** of this Figure: \_\_\_\_\_ (Don't forget your units!)

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.



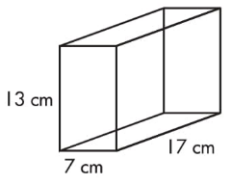
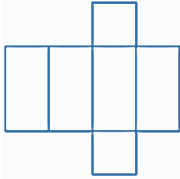
# Math 6 - Unit 5: Area & Volume

Name: \_\_\_\_\_

## Surface Area Practice Sheet **ANSWER KEY**

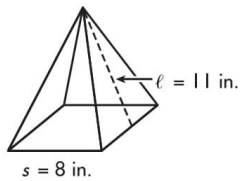
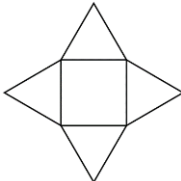
Class Period: 1 2 3 4 Date: \_\_\_\_\_

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

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

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

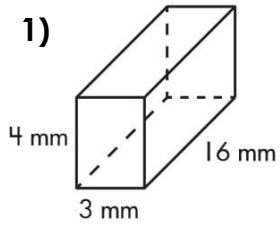
Total **Surface Area** of this Figure: **862 cm<sup>2</sup>** (Don't forget your units!)

Figure: 		Name: <b>Square Pyramid</b>		Net: 	
Face #1 (Bottom)	Face #2 (Side)	Face #3 (Side)	Face #4 (Side)	Face #5 (Side)	
Shape: <b>Square</b>	Shape: <b>Triangle</b>	Shape: <b>Triangle</b>	Shape: <b>Triangle</b>	Shape: <b>Triangle</b>	
Formula: <b>A=bh</b>	Formula: <b>A=<math>\frac{1}{2}</math>bh</b>	Formula: <b>A=<math>\frac{1}{2}</math>bh</b>	Formula: <b>A=<math>\frac{1}{2}</math>bh</b>	Formula: <b>A=<math>\frac{1}{2}</math>bh</b>	
Substitute: <b>A = 8(8)</b>	Substitute: <b>A=<math>\frac{1}{2}</math>(8)(11)</b> <b>A = 4(11)</b>	Substitute: <b>A=<math>\frac{1}{2}</math>(8)(11)</b> <b>A = 4(11)</b>	Substitute: <b>A=<math>\frac{1}{2}</math>(8)(11)</b> <b>A = 4(11)</b>	Substitute: <b>A=<math>\frac{1}{2}</math>(8)(11)</b> <b>A = 4(11)</b>	
Solution: <b>64 in<sup>2</sup></b>	Solution: <b>44 in<sup>2</sup></b>	Solution: <b>44 in<sup>2</sup></b>	Solution: <b>44 in<sup>2</sup></b>	Solution: <b>44 in<sup>2</sup></b>	

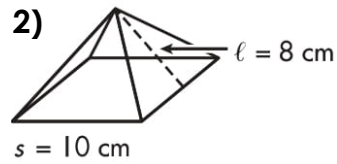
$$\text{Surface Area (SA)} = \text{Area } F_1 + \text{Area } F_2 + \text{Area } F_3 + \text{Area } F_4 + \text{Area } F_5 + \text{Area } F_6$$

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

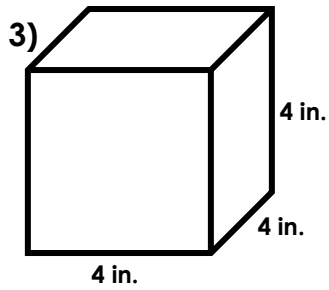
Find the surface area for each shape below. Show ALL your work and use the correct units.



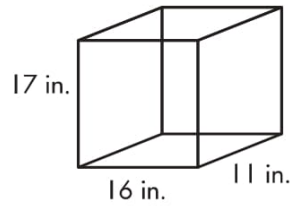
$A = 248 \text{ mm}^2$



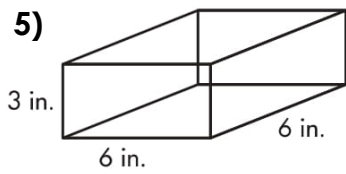
$A = 260 \text{ cm}^2$



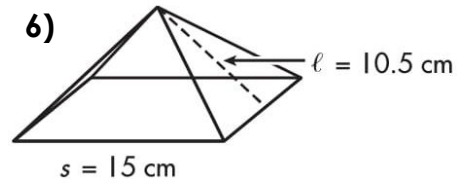
$A = 96 \text{ in}^2$



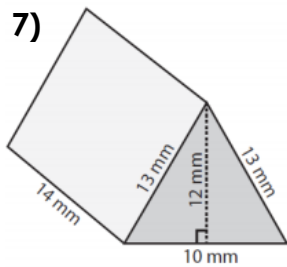
4)  
 $A = 1270 \text{ in}^2$



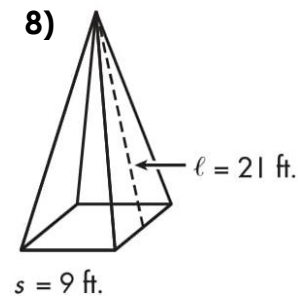
$A = 144 \text{ in}^2$



$A = 540 \text{ cm}^2$



$A = 624 \text{ mm}^2$



$A = 459 \text{ ft}^2$