

Name \_\_\_\_\_

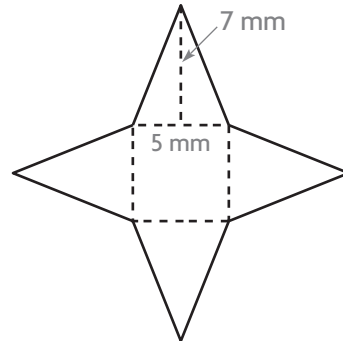
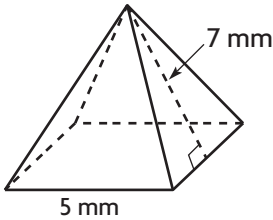
**Surface Area of Pyramids**



**COMMON CORE STANDARD—6.G.4**  
Solve real-world and mathematical problems involving area, surface area, and volume.

Use a net to find the surface area of the square pyramid.

1.



$$\text{Base: } A = 5^2 = 25 \text{ mm}^2$$

$$\text{Face: } A = \frac{1}{2} (5)(7)$$

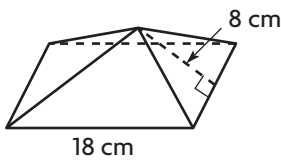
$$= 17.5 \text{ mm}^2$$

$$\text{S.A.} = 25 + 4 \times 17.5$$

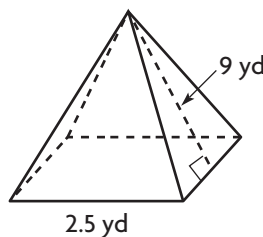
$$= 25 + 70$$

$$= 95 \text{ mm}^2$$

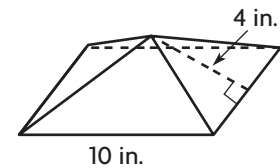
2.



3.



4.



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Problem Solving**

5. Cho is building a sandcastle in the shape of a triangular pyramid. The area of the base is 7 square feet. Each side of the base has a length of 4 feet and the height of each face is 2 feet. What is the surface area of the pyramid?

\_\_\_\_\_

6. The top of a skyscraper is shaped like a square pyramid. Each side of the base has a length of 60 meters and the height of each triangle is 20 meters. What is the lateral area of the pyramid?

\_\_\_\_\_