

Answer Key: Pyramids 05/17/20

1. The perimeter of the base is 4 times side since it is a square.

$$P = 4(16) = 64 \text{ inches}$$

The area of the base is side^2

$$B = 16^2 = 256 \text{ inches}^2$$

$$\text{Surface Area of pyramid} = \frac{1}{2}(64)(17) + 256$$

$$= 544 + 256$$

$$= 800 \text{ inches}^2$$

2. 78

3. 112 cm^2

4. Area of base = $20 \times 15 = 300\text{m}^2$

$$\text{Perimeter of base} = 2(20+15) = 70$$

$$\text{Surface Area of pyramid} = \frac{1}{2}(70)(50) + 300$$

$$= 1,750 + 300$$

$$= 2,050 \text{ m}^2$$

5. 473 in^2

6. 333 yd^2

7. 357 in^2

8. 2880 ft^2

9. 9600 yd^2

10. 192 in^2