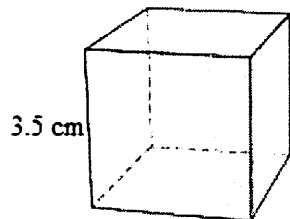
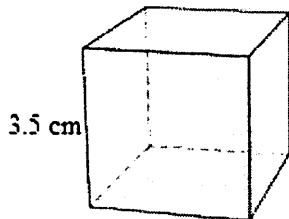
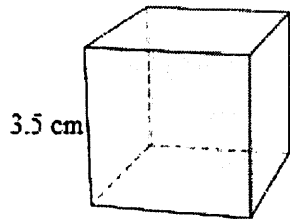
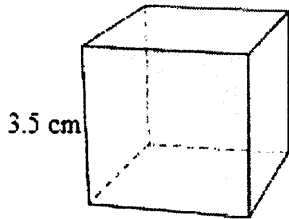
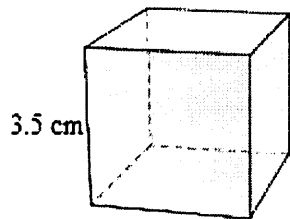
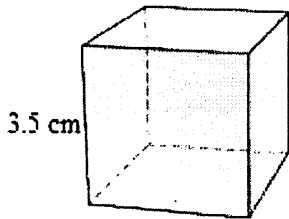
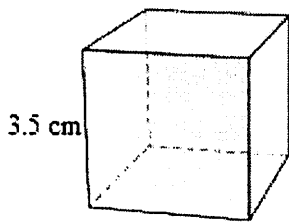
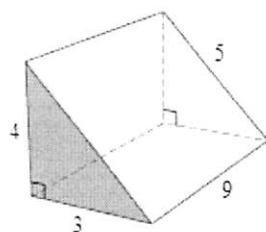
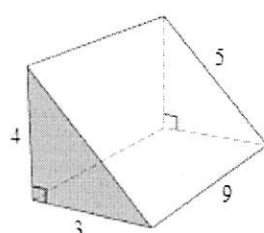
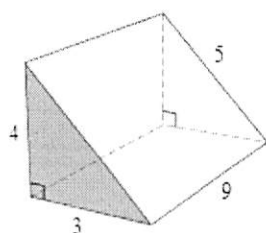
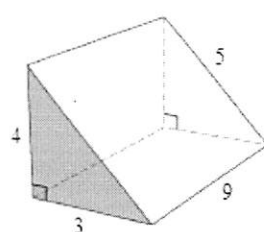
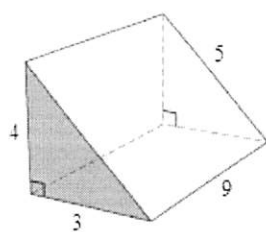
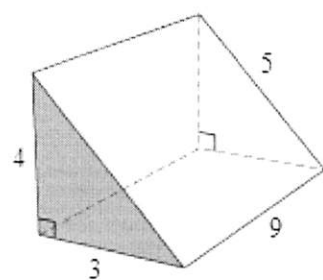


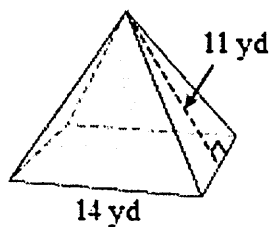
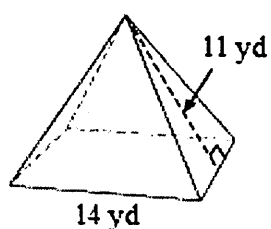
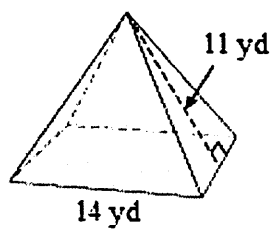
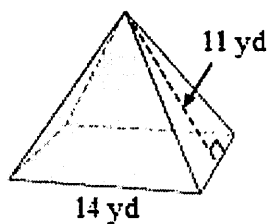
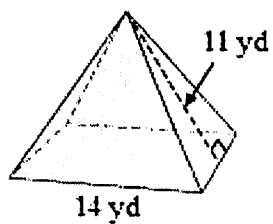
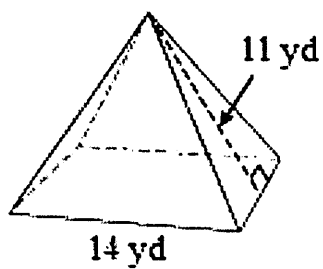
1. Find the Surface Area of the **Cube**.



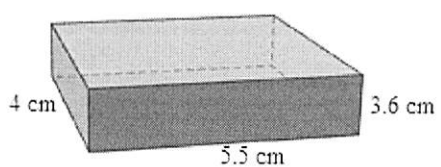
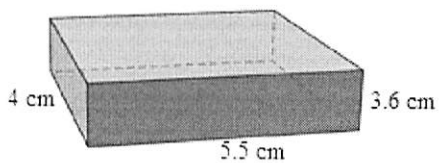
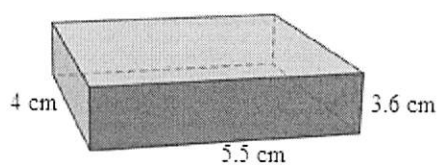
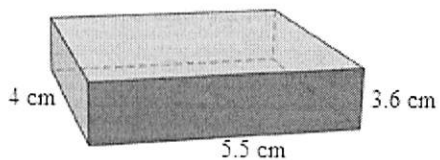
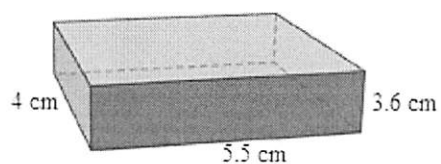
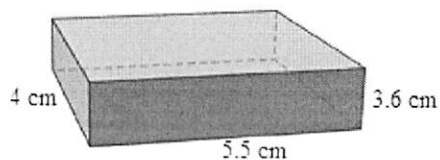
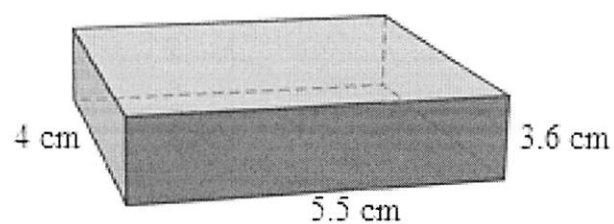
2. Find the Surface Area of the **Triangular Prism**.



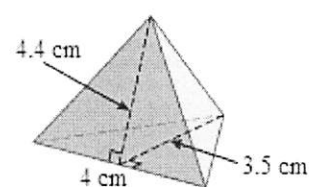
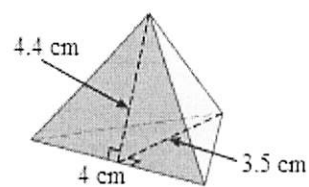
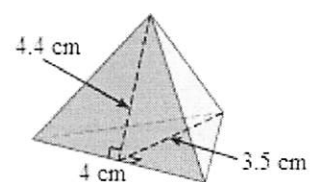
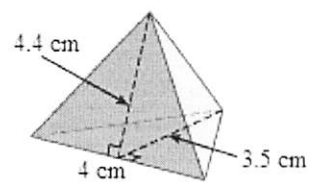
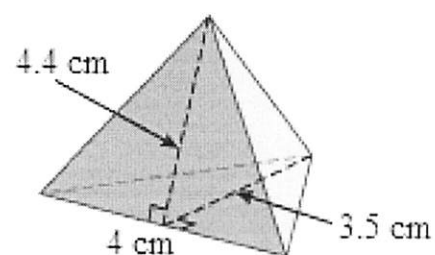
3. Find the Surface Area of the **Square Pyramid**.



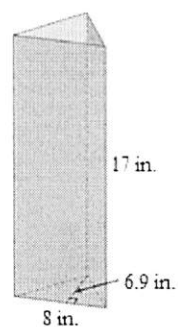
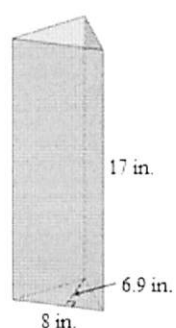
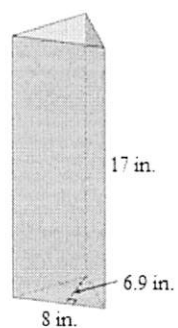
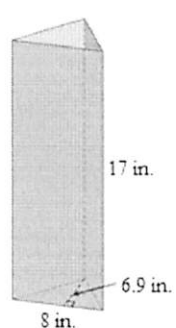
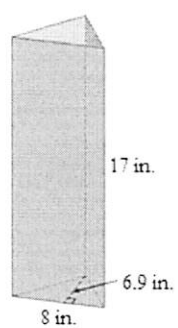
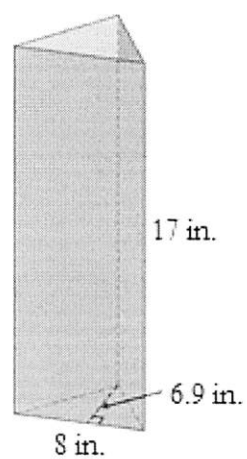
4. Find the Surface Area of the **Rectangular Prism**.



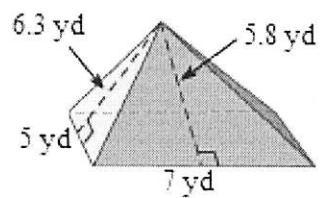
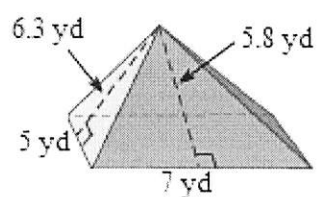
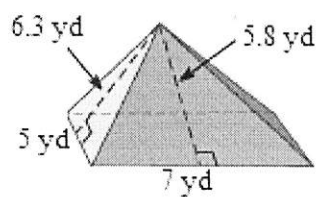
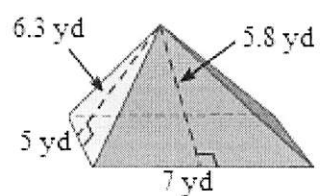
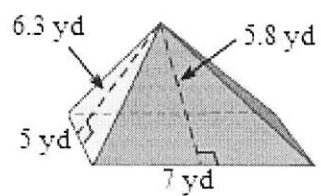
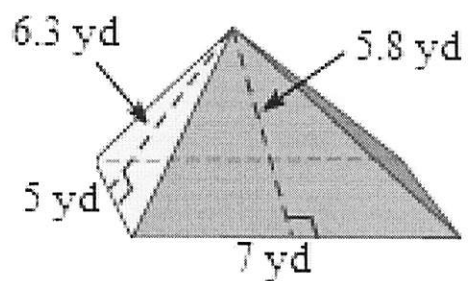
5. Find the Surface Area of the **Regular Triangular Pyramid**.



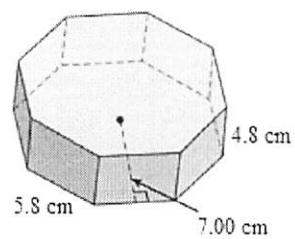
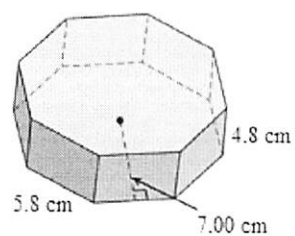
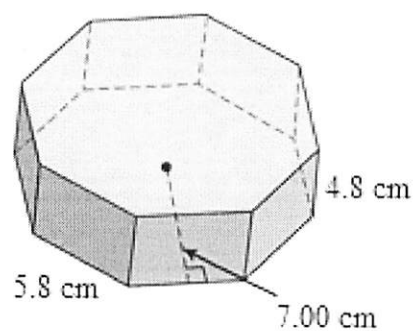
6. Find the Surface Area of the **Regular Triangular Pyramid**.

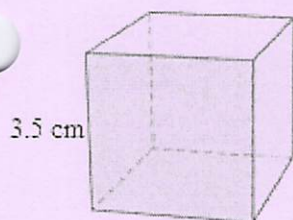


7. Find the Surface Area of the **Rectangular Pyramid**.

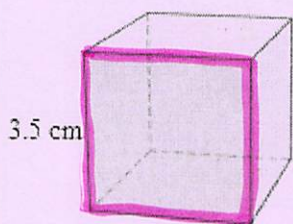


8. Find the Surface Area of the **Regular Octagonal Prism**.



1. Find the Surface Area of the **Cube**.

Front Face

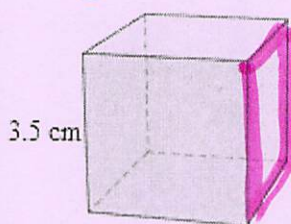


$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

$$A = \underline{12.25 \text{ cm}^2}$$

Right Face

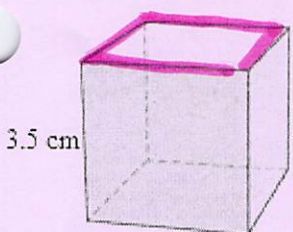


$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

$$A = \underline{12.25 \text{ cm}^2}$$

Top Face

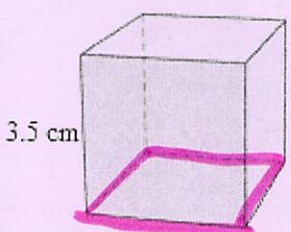


$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

$$A = \underline{12.25 \text{ cm}^2}$$

Bottom Face

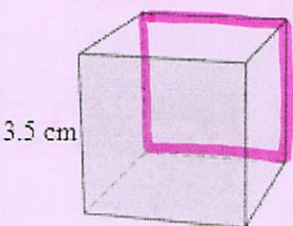


$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

$$A = \underline{12.25 \text{ cm}^2}$$

Back Face

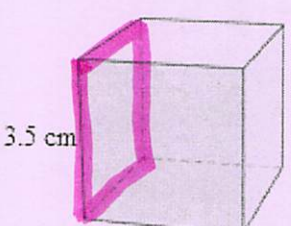


$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

$$A = \underline{12.25 \text{ cm}^2}$$

Left Face



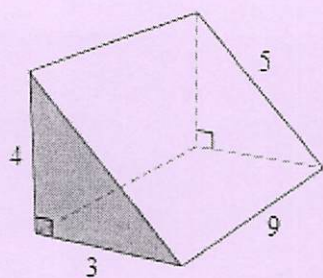
$$A = b \cdot h$$

$$A = 3.5 \cdot 3.5$$

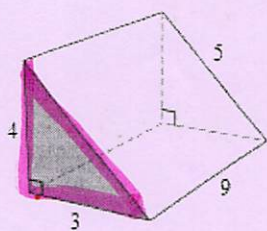
$$A = \underline{12.25 \text{ cm}^2}$$

$$\text{Total Surface Area} = 73.5 \text{ cm}^2$$

2. Find the Surface Area of the **Triangular Prism**.



Front Face

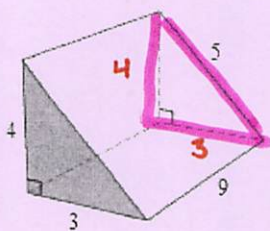


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{3 \cdot 4}{2}$$

$$\underline{A = 6}$$

Back Face

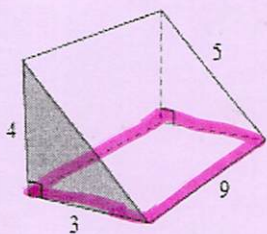


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{3 \cdot 4}{2}$$

$$\underline{A = 6}$$

Bottom Face

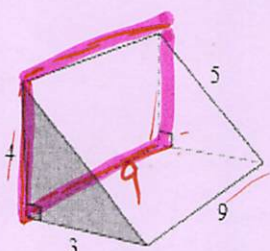


$$A = b \cdot h$$

$$A = 3 \cdot 9$$

$$\underline{A = 27}$$

Left Face

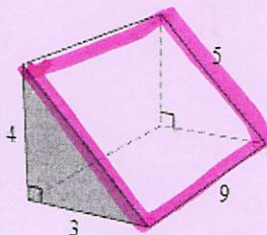


$$A = b \cdot h$$

$$A = 9 \cdot 4$$

$$\underline{A = 36}$$

Right Face



$$A = b \cdot h$$

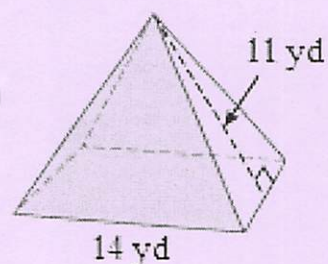
$$A = 9 \cdot 5$$

$$\underline{A = 45}$$

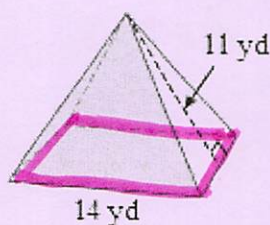
Total Surface

$$\text{Area} = 120 \text{ units}^2$$

3. Find the Surface Area of the **Square Pyramid**.



Bottom Face

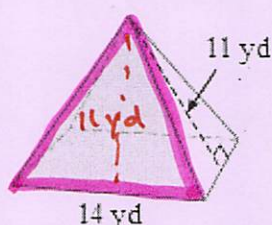


$$A = b \cdot h$$

$$A = 14 \cdot 14$$

$$A = 196 \text{ yd}^2$$

Front Face

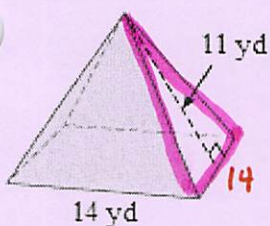


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{14 \cdot 11}{2}$$

$$A = 77 \text{ yd}^2$$

Right Face

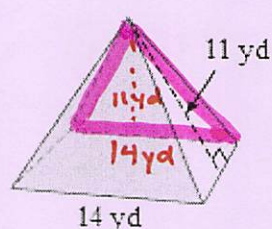


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{14 \cdot 11}{2}$$

$$A = 77 \text{ yd}^2$$

Back Face

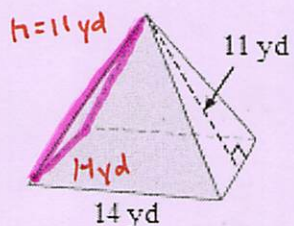


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{14 \cdot 11}{2}$$

$$A = 77 \text{ yd}^2$$

Left Face



$$A = \frac{b \cdot h}{2}$$

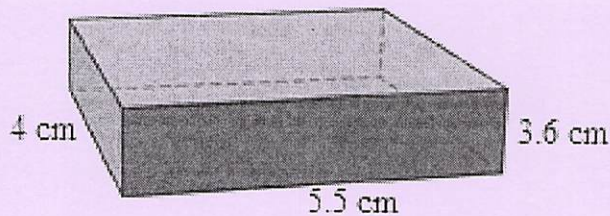
$$A = \frac{14 \cdot 11}{2}$$

$$A = 77 \text{ yd}^2$$

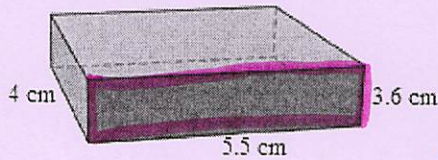
Total Surface

$$\text{Area} = 504 \text{ yd}^2$$

4. Find the Surface Area of the **Rectangular Prism**.



Front Face

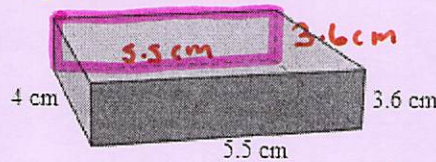


$$A = b \cdot h$$

$$A = 5.5 \cdot 3.6$$

$$A = \underline{19.8 \text{ cm}^2}$$

Back Face

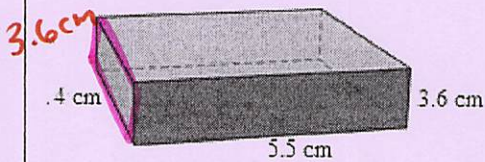


$$A = b \cdot h$$

$$A = 5.5 \cdot 3.6$$

$$A = \underline{19.8 \text{ cm}^2}$$

Left Face

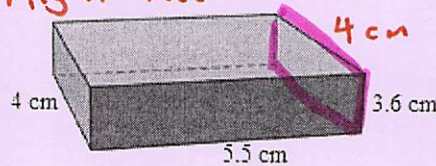


$$A = b \cdot h$$

$$A = 4 \cdot 5.5$$

$$A = \underline{22 \text{ cm}^2}$$

Right Face



$$A = b \cdot h$$

$$A = 4 \cdot 5.5$$

$$A = \underline{22 \text{ cm}^2}$$

Top Face

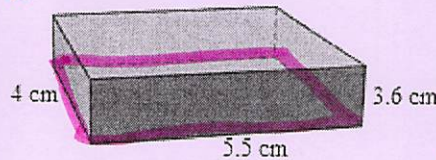


$$A = b \cdot h$$

$$A = 5.5 \cdot 4$$

$$A = \underline{22 \text{ cm}^2}$$

Bottom Face



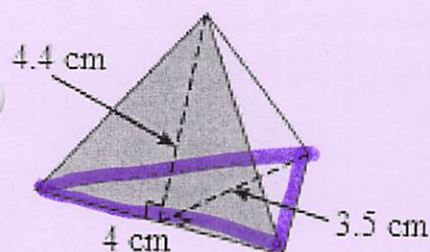
$$A = b \cdot h$$

$$A = 5.5 \cdot 4$$

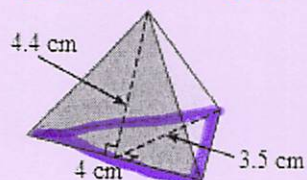
$$A = \underline{22 \text{ cm}^2}$$

$$\text{Total Surface Area} = 112.4 \text{ cm}^2$$

5. Find the Surface Area of the **Regular Triangular Pyramid**.



Bottom Base

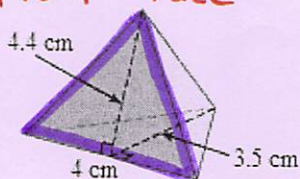


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{4 \cdot 3.5}{2}$$

$$A = \underline{7 \text{ cm}^2}$$

Front Face

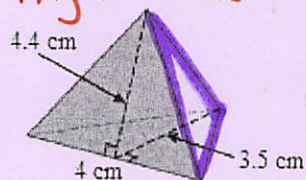


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{4 \cdot 4.4}{2}$$

$$A = \underline{8.8 \text{ cm}^2}$$

Right Face

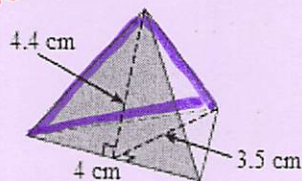


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{4 \cdot 4.4}{2}$$

$$A = \underline{8.8 \text{ cm}^2}$$

Back Face



$$A = \frac{b \cdot h}{2}$$

$$A = \frac{4 \cdot 4.4}{2}$$

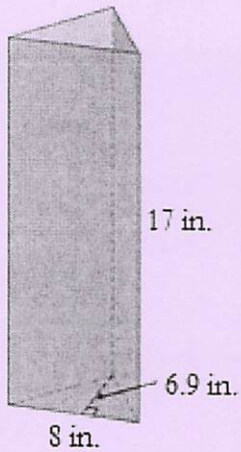
$$A = \underline{8.8 \text{ cm}^2}$$

$$\text{Total Surface Area} = 33.4 \text{ cm}^2$$

6. Find the Surface Area of the **Regular Triangular Prism**.

Prism

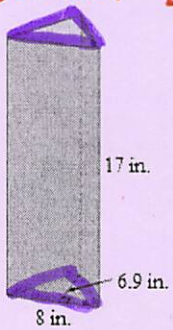
~~Pyramid~~



David

Suh

Bottom Δ

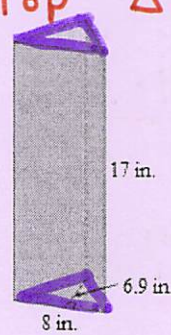


$$A = \frac{b \cdot h}{2}$$

$$A = \frac{8 \cdot 6.9}{2}$$

$$A = 27.6 \text{ in}^2$$

Top Δ



$$A = \frac{b \cdot h}{2}$$

$$A = \frac{8 \cdot 6.9}{2}$$

$$A = 27.6 \text{ in}^2$$

Front Face

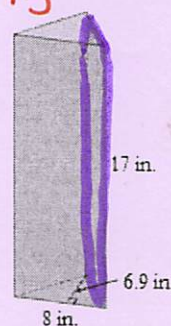


$$A = b \cdot h$$

$$A = 8 \cdot 17$$

$$A = 136 \text{ in}^2$$

Right Face

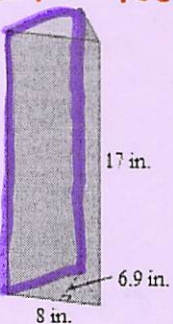


$$A = b \cdot h$$

$$A = 8 \cdot 17$$

$$A = 136 \text{ in}^2$$

Left Face



$$A = b \cdot h$$

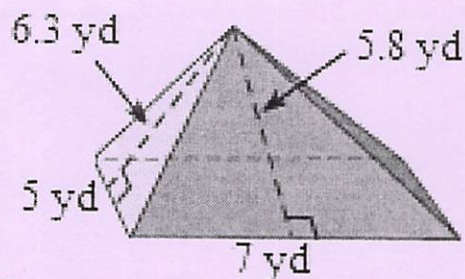
$$A = 8 \cdot 17$$

$$A = 136 \text{ in}^2$$

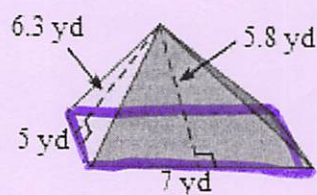
Total Surface

Area 463.2 in^2

7. Find the Surface Area of the **Rectangular Pyramid**.



Bottom Face

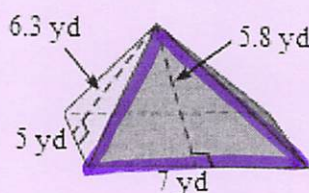


$$A = b \cdot h$$

$$A = 7 \cdot 5$$

$$A = 35 \text{ yd}^2$$

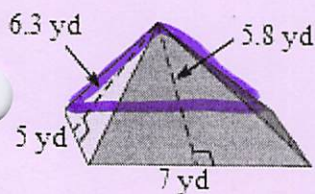
Front Face



$$A = \frac{b \cdot h}{2}$$

$$A = \frac{7 \cdot 6.3}{2}$$

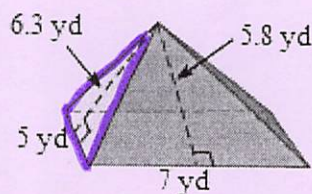
$$A = 22.05 \text{ yd}^2$$



$$A = \frac{b \cdot h}{2}$$

$$A = \frac{7 \cdot 5.8}{2}$$

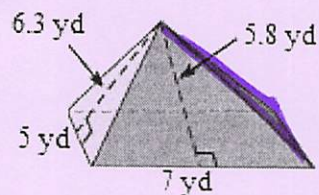
$$A = 20.3 \text{ yd}^2$$



$$A = \frac{b \cdot h}{2}$$

$$A = \frac{5 \cdot 6.3}{2}$$

$$A = 15.75 \text{ yd}^2$$



$$A = \frac{b \cdot h}{2}$$

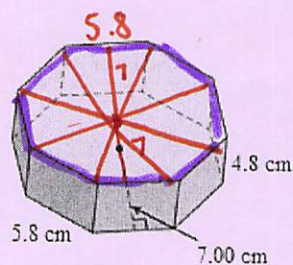
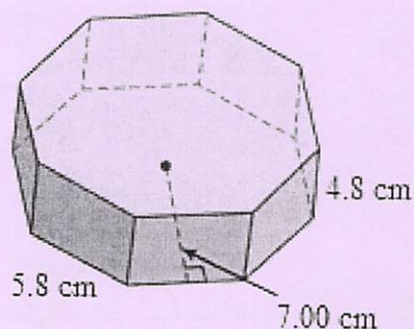
$$A = \frac{5 \cdot 6.3}{2}$$

$$A = 15.75 \text{ yd}^2$$

Total Surface

$$\text{Area} = 107.1 \text{ yd}^2$$

8. Find the Surface Area of the **Regular Octagonal Prism**.



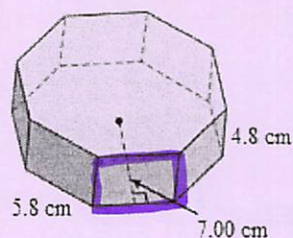
$$A = \frac{b \cdot h}{2}$$

$$A = \frac{5.8 \cdot 7}{2} = 20.3 \text{ cm}^2$$

$\times 8 \Delta$'s

$$\text{Top Octagon} = \underline{162.4 \text{ cm}^2}$$

$$\text{Bottom Octagon} = \underline{162.4 \text{ cm}^2}$$



$$A = b \cdot h$$

$$A = 5.8 \cdot 4.8$$

$$A = 27.8 \text{ cm}^2$$

$$\times 8 \square \text{'s} = \underline{222.72 \text{ cm}^2}$$

$$\text{Total Surface Area} = 547.52 \text{ cm}^2$$