Name:


$$
5 m^{2} \quad 5 A=2 A+2 B
$$

1. Surface Area $=\frac{C Q T \mathrm{CM}^{2}}{}$


3 $3 \square+2 \Delta$

$$
20 \cdot 10+12 \cdot 10+16 \cdot 10+2\left(\frac{1}{2} 12 \cdot 16\right)
$$

12 cm
2. Surface Area:

white House
3. David wants to wrap the columns outside a bunting in paper for a party. The columns are 10 feet tall and have a circumference of 40 inches. How much wrapping paper does he need?

$$
\begin{aligned}
& \angle A=2 \pi r h \quad C=2 \pi r \\
& 2 \pi(6.367)(10) \\
& L A=400.05 \\
& 960{ }^{3} \quad r=6.367
\end{aligned}
$$

4. Find the Volume of the Prism in Number 1:

$$
\frac{1}{2}(16)(12) 10=
$$

5. Find the volume of the pyramid in Number 2:

$$
\rightarrow 1 /(e)^{2}
$$

6. Find the Surface Area:
$340.2 \mathrm{~cm}^{2}$


$$
S A=\angle A+B
$$

$$
\pi r l+\pi r^{2}
$$

$$
\pi(5.7)(13.3)+\pi(5.7)^{2}
$$

7. Find the Volume:


$$
V=\left(\frac{1}{2} 68\right) 12=288
$$

$5.77 y d 13.3 y d .056$
$\div 3 \div 3 \div 36$
8. A concrete driveway is being poured 17 feet by 40 feet by 2 inches. How much concrete is needed? How much will the drive way cost if concrete is 24 dollars per cubic yard?

$$
\begin{array}{r}
5.7 \times 13.3 \times 0.056=4.24 \mathrm{yd} \mathrm{~d}^{3} \\
\times 24 \\
\$ 101.76
\end{array}
$$

9. Find the Volume:


$$
\begin{array}{r}
\frac{1}{3}\left(32^{2}\right)(30) \\
10240 \mathrm{in}^{3}
\end{array}
$$

10. Surface Area: Ce 15.75 units $^{2}$
volume: 1436.76 unts $^{3}$

$$
\begin{array}{rr}
S A=4 \pi r^{2} \quad \text { Vol }=\frac{4}{3} \pi r^{3} \\
4 \pi 49 \quad & \frac{4}{3} \pi 7^{3}
\end{array}
$$



C

$$
\begin{aligned}
& \frac{16}{5}=\frac{21}{7}=\frac{3}{1} \\
& \frac{16}{5}=3=3
\end{aligned}
$$

$$
\begin{aligned}
& \sqrt{4} \\
& \sqrt{25} \\
& \frac{152000}{125}=\frac{125 x}{125} \\
& x=1216 y d^{3} \frac{8}{125}=\frac{x}{19000}
\end{aligned}
$$

Not Similar

