Geometry

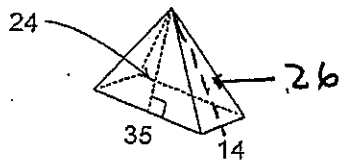
Name Notes ID: 1

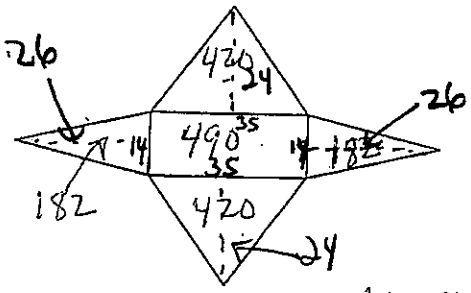
Finding Surface Area using Nets NOTES

Date_____ Period____

Copy the measurements given onto the net of each solid. Find the surface area.

1)

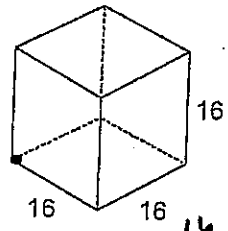


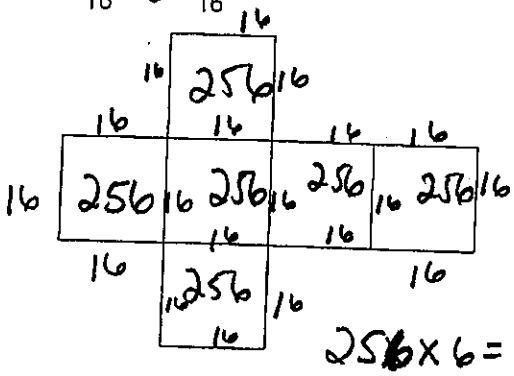


420+420+182+182+490
=

1694 u²

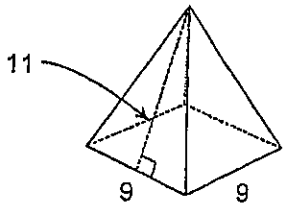
2)





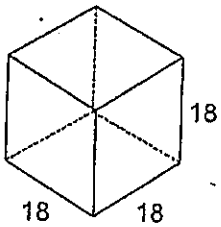
256 x 6 =
1536 u²

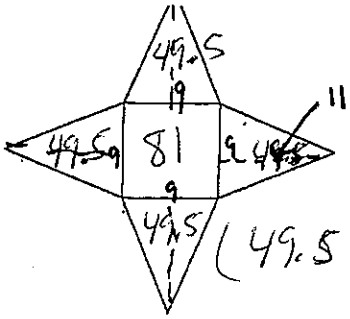
3)



Square pyramid

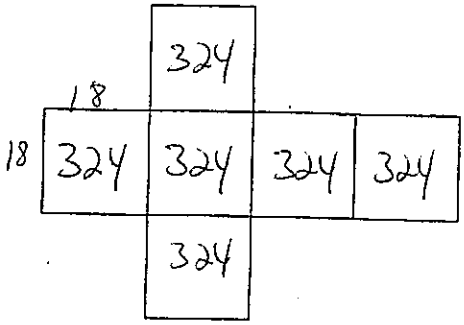
4)





(49.5 x 4) + 81

198 + 81 = 279 u²

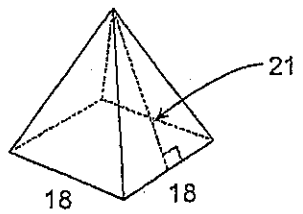


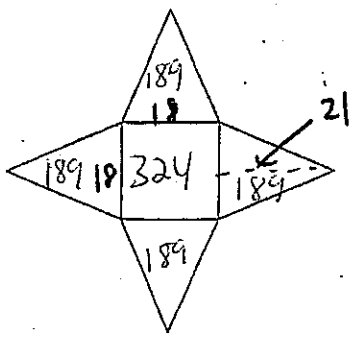
6 X 324 = 1944 u²

Summarize: 1) label the lengths of parts on the net
2) Find the area of each seperate piece
3) Add the areas together.

Square pyramid

5)



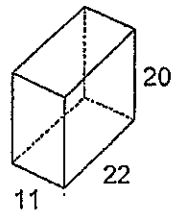


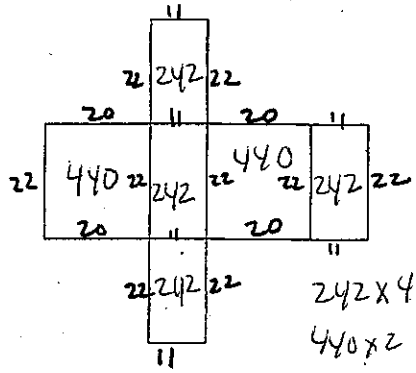
$18 \times 18 = 324$ for the base

$\frac{18 \times 21}{2} = 189$ for each triangle in the net

$189 \times 4 = 756$
$+ 324$
$1080\ u^2$

6)

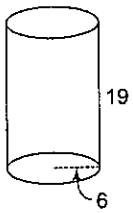




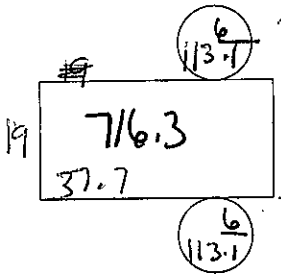
$242 \times 4 = 968$
$440 \times 2 = + 880$
$1848\ u^2$

Circ of a ○ $= 2\pi r$
A of ○ $= \pi r^2$
A of □ $= bh$

7)



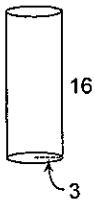
$\pi r^2 = 113.1$

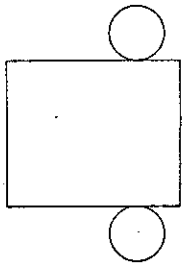


$= \text{Circumference} = 2\pi r$
$2(6)\pi = 37.7$

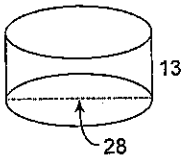
113.1
113.1
716.3
$942.5\ u^2$

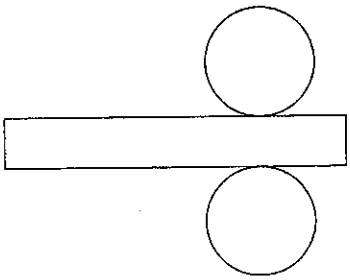
8)





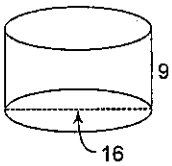
9)





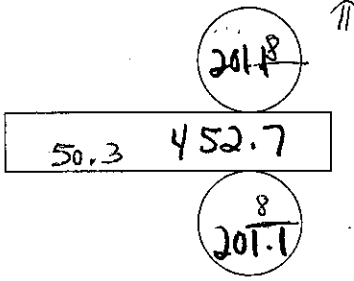
9×50.3
$= 452.7$

10)



A of a ○ $= \pi r^2$
Cir of a ○ $= 2\pi r$

$\pi r^2 = 201.1$



$2\pi r = 50.3$

201.1
201.1
$+ 452.7$
$854.9\ u^2$