

4/5/17 CCM6+

Find SA of rectangular prisms, triangular prisms, square and triangular pyramids with nets and without nets.

1. Agenda...HW is p.24-27...Quiz SA Friday
2. Get out p.~~20~~ #1 to check...no warm-ups
Supposed to be p 21

REVIEW...

What did you learn yesterday about rectangular prism surface area?

pairs of areas...add them up

Didn't take quiz yesterday? Take it now!

p. 20

6

SURFACE AREA

- Looking at the shape below right, how many faces are there? _____
- What is the name of this shape? rect. prism

- What is the area of each face?

Top: $3 \times 6 = 18$

Bottom: 18

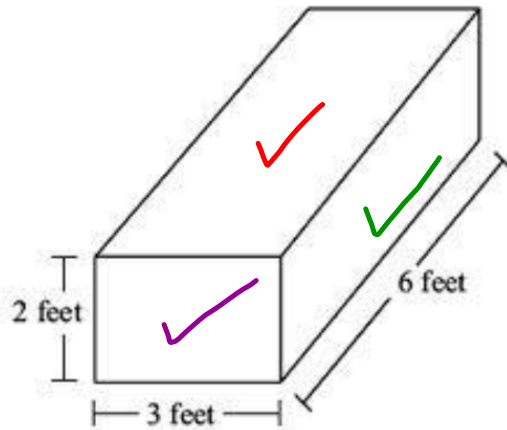
Left: $6 \times 2 = 12$

Right: 12

Front: $2 \times 3 = 6$

Back: 6

$$\begin{array}{r} + \\ \hline 72 \text{ ft}^2 \end{array}$$

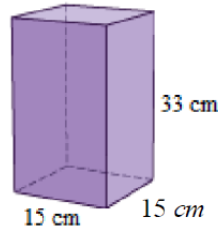
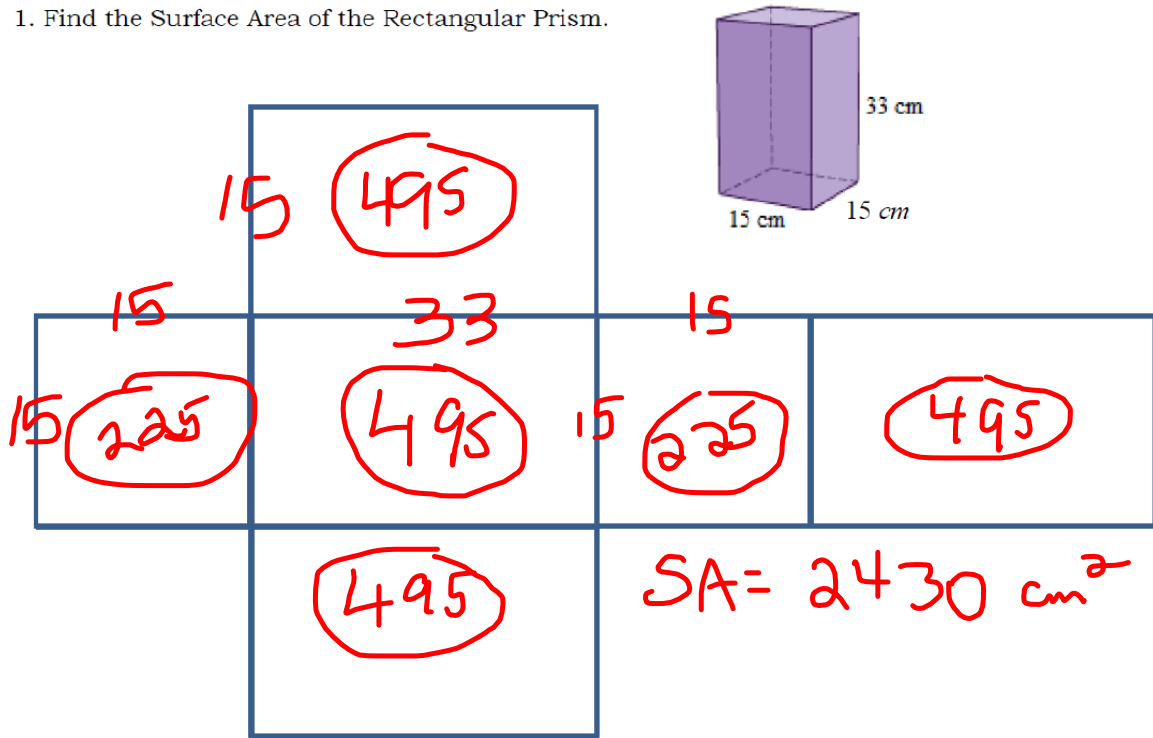


- What do you notice about the areas of the faces?

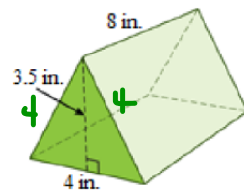
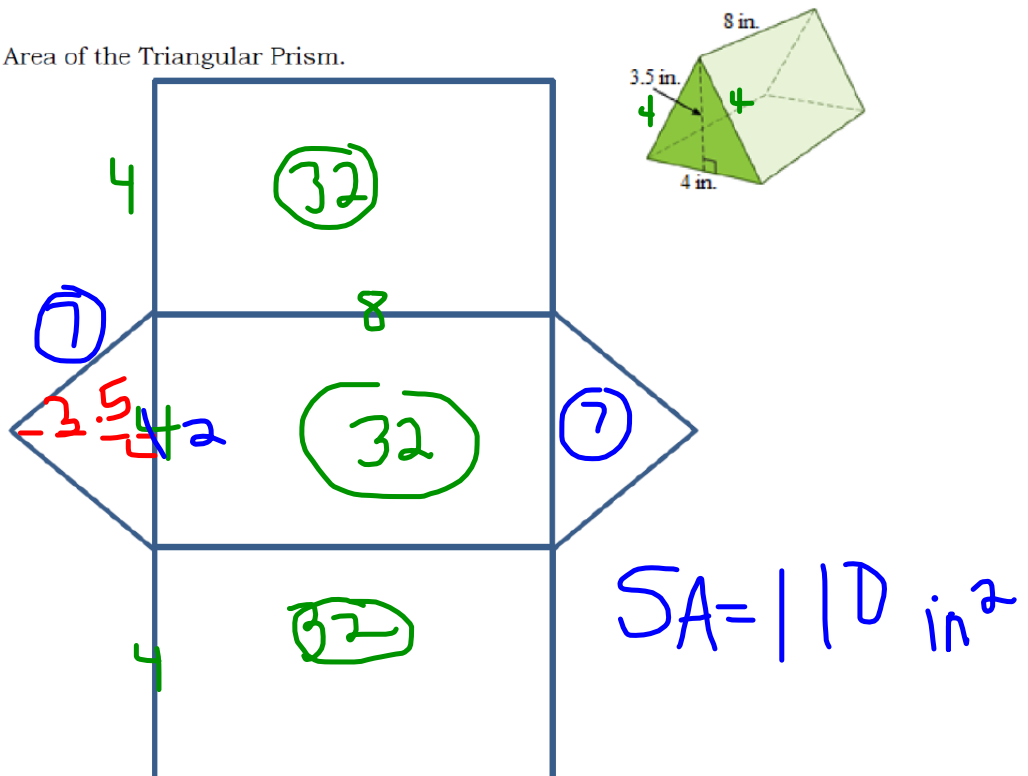
3 pairs

P 21

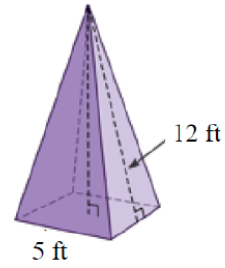
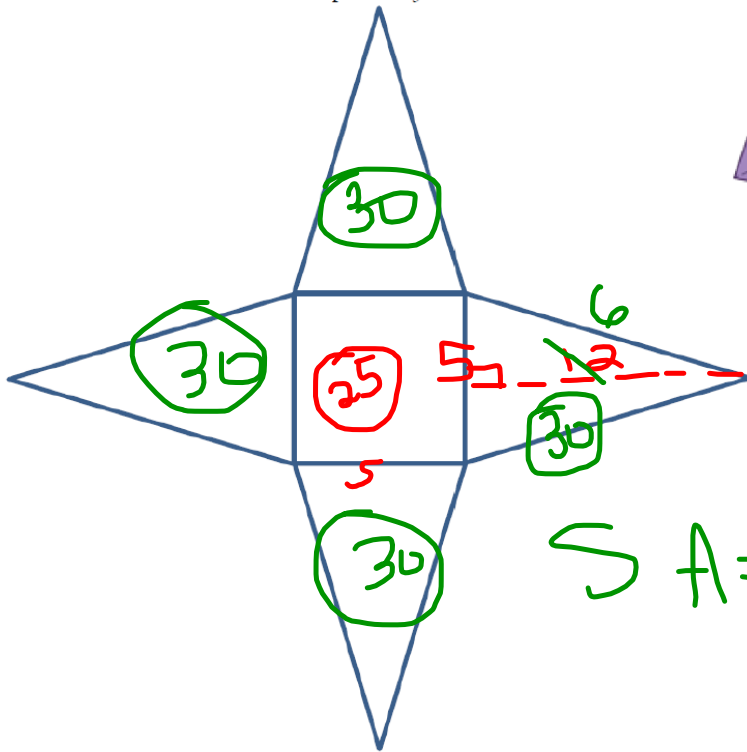
1. Find the Surface Area of the Rectangular Prism.



2. Find the Surface Area of the Triangular Prism.

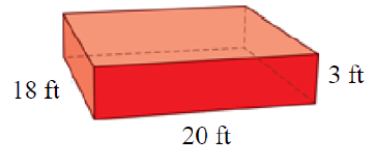
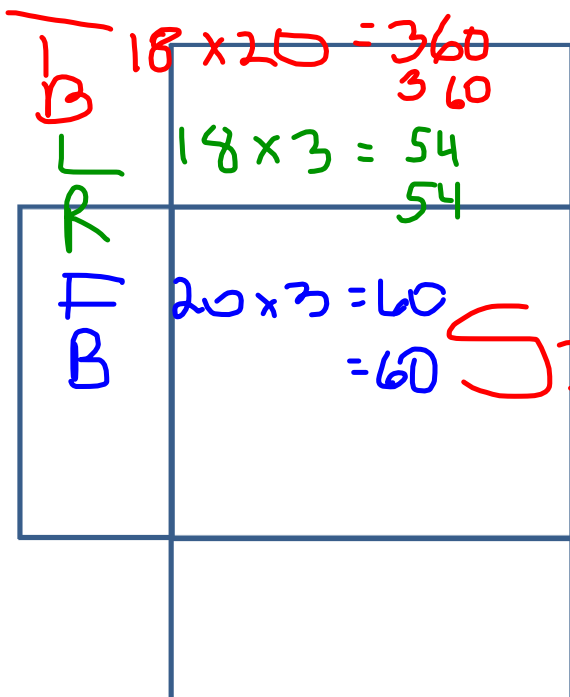


4. Find the Surface Area of the Square Pyramid.



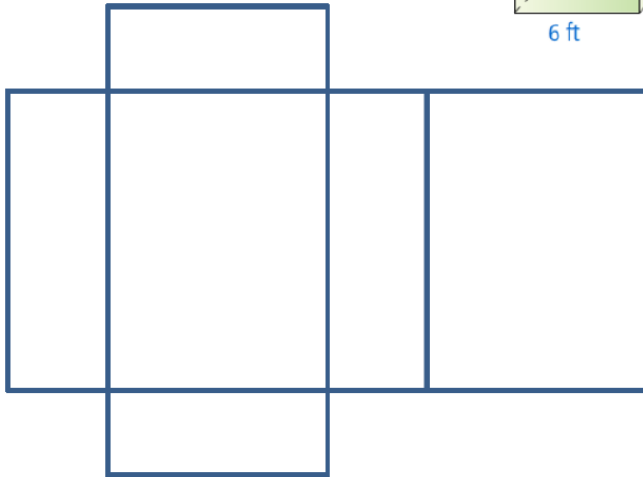
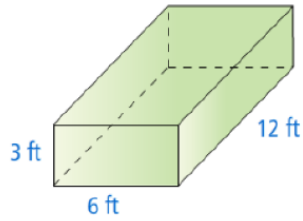
$SA = 145 \text{ ft}^2$

3. Find the Surface Area of the Rectangular Prism.

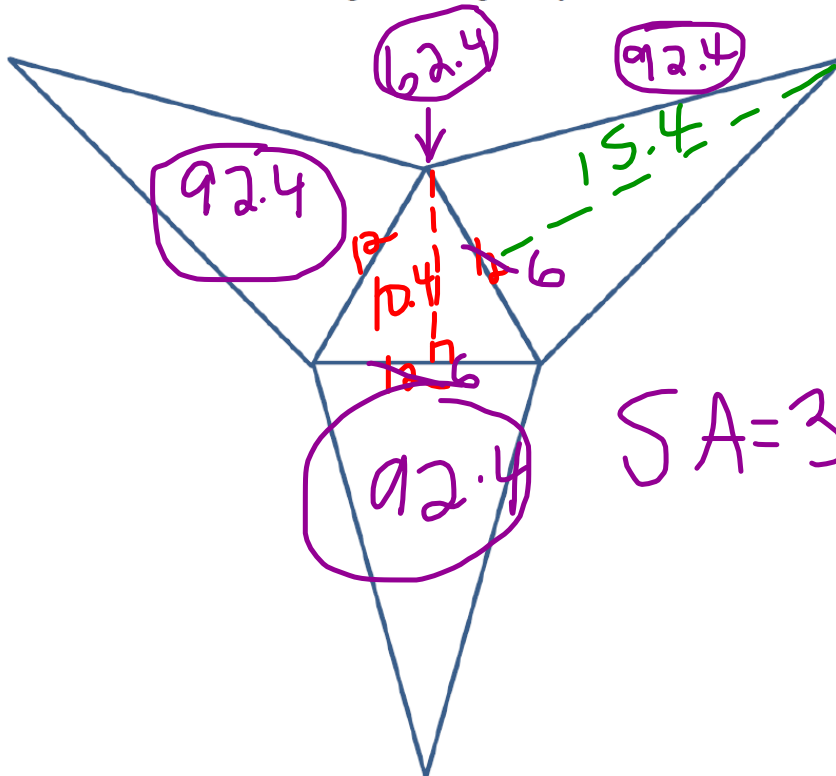
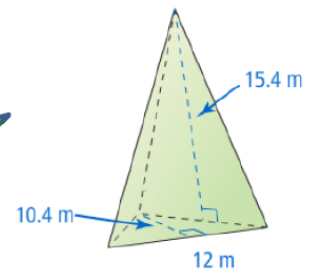


$SA = 948 \text{ ft}^2$

4. Find the Surface Area of the Rectangular Prism.



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

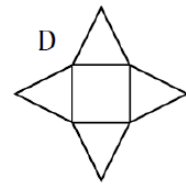
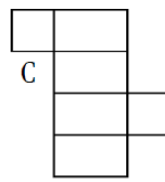
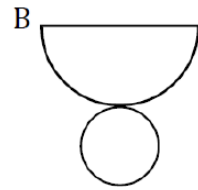
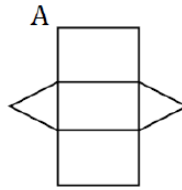
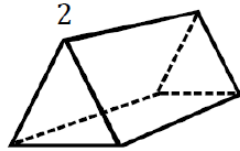
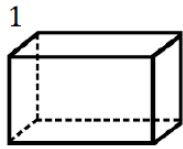


$$SA = 339.6 \text{ m}^2$$

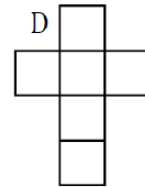
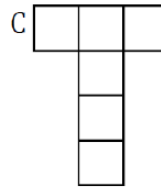
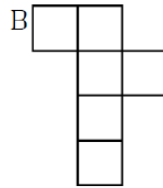
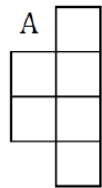
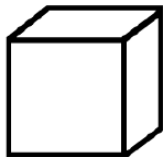
HW p24

SURFACE AREA AND NETS HOMEWORK

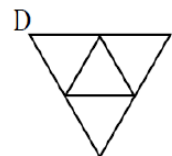
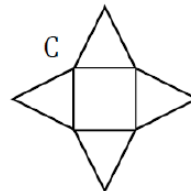
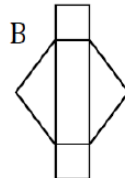
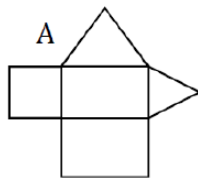
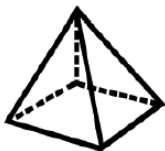
Match the 3D shape to the net.



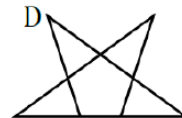
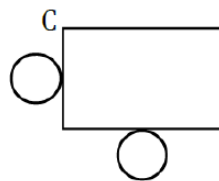
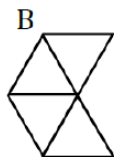
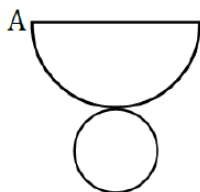
5 Which net cannot be used for this shape?



6 Which net can be used for this shape?



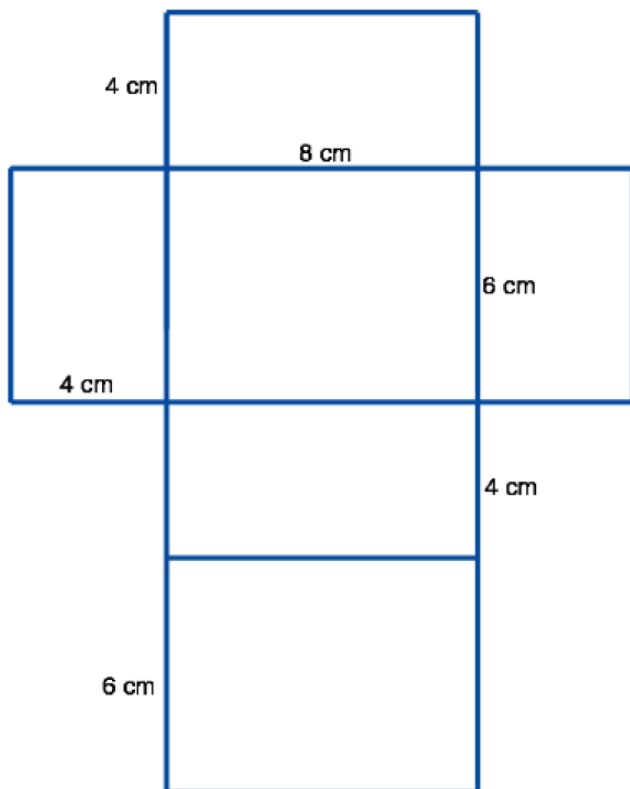
7 Which net can be folded to make a 3D shape?



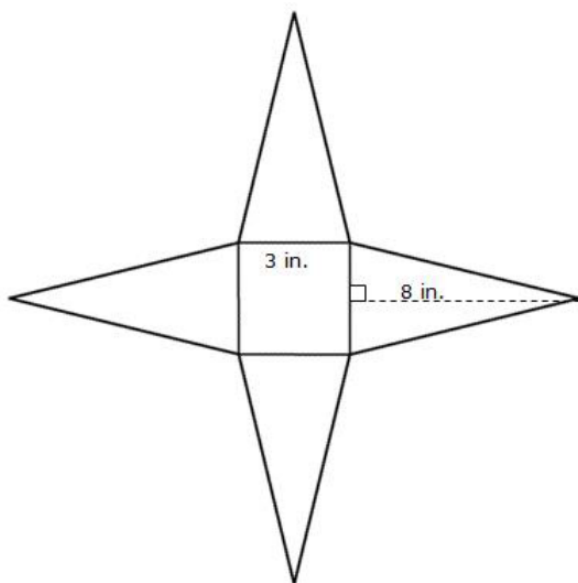
HW p 25

Find the total surface area of each shape using the nets provided.

RECTANGULAR PRISM

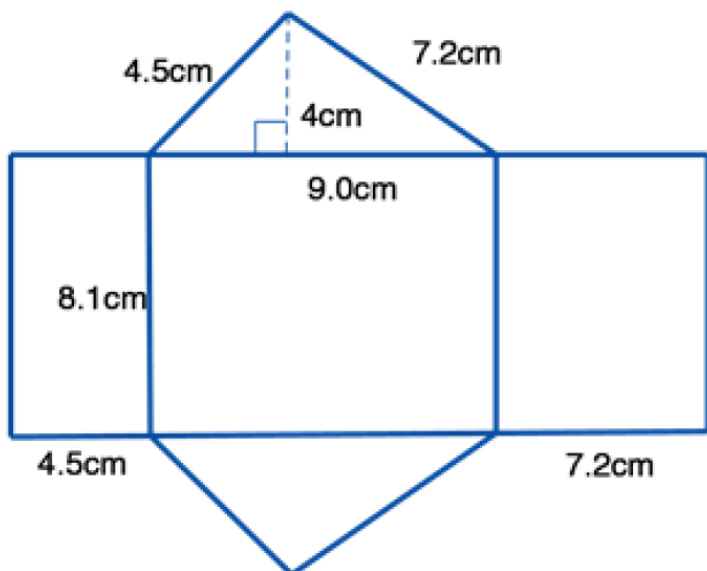


SQUARE PYRAMID



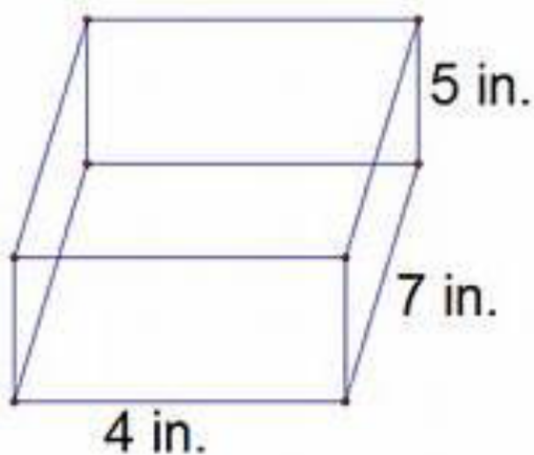
HW p 26

TRIANGULAR PRISM



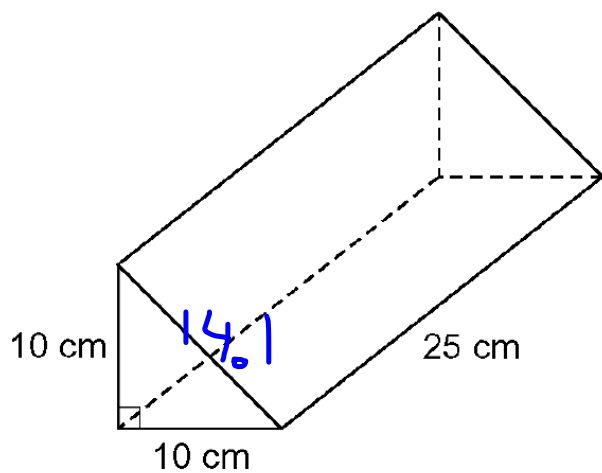
Find the surface area of each shape by drawing nets.

RECTANGULAR PRISM



HW P 27

TRIANGULAR PRISM



SQUARE PYRAMID

