

4/3/17 CCM6

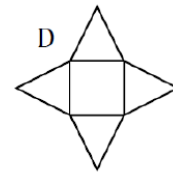
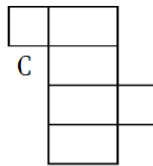
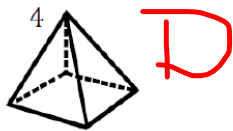
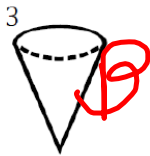
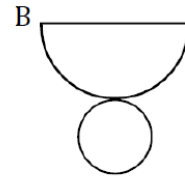
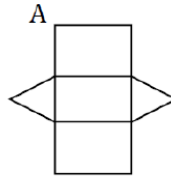
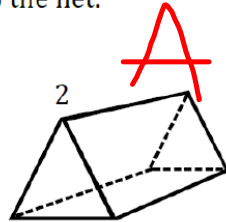
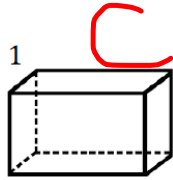
Find the Surface Area of Prisms and Pyramids with a net or by drawing your own net.

1. Agenda...HW is p. 29 #9-11 & p.31 #1-2
QUIZ THURS
2. Get out p.24-26 to check and calculator.
3. NO WARM-UPS THIS WEEK

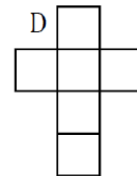
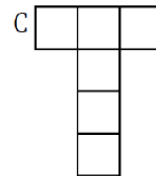
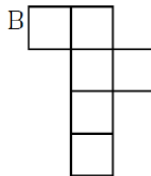
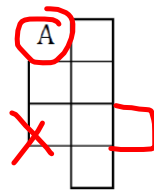
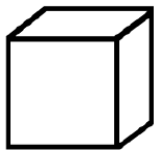
VHW P.24

SURFACE AREA AND NETS HOMEWORK

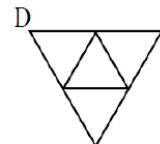
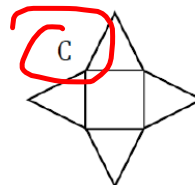
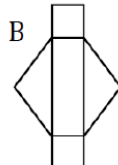
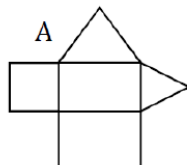
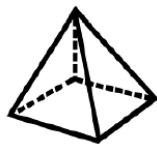
Match the 3D shape to the net.



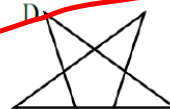
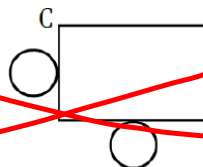
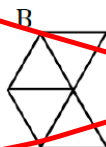
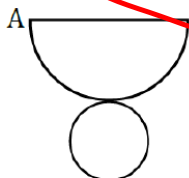
5 Which net cannot be used for this shape?



6 Which net can be used for this shape?



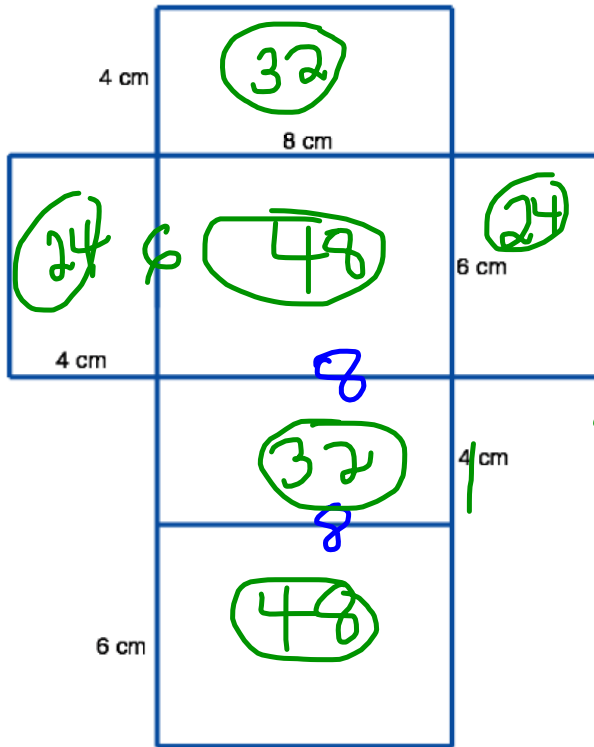
7 Which net can be folded to make a 3D shape?



✓ + HW p 25

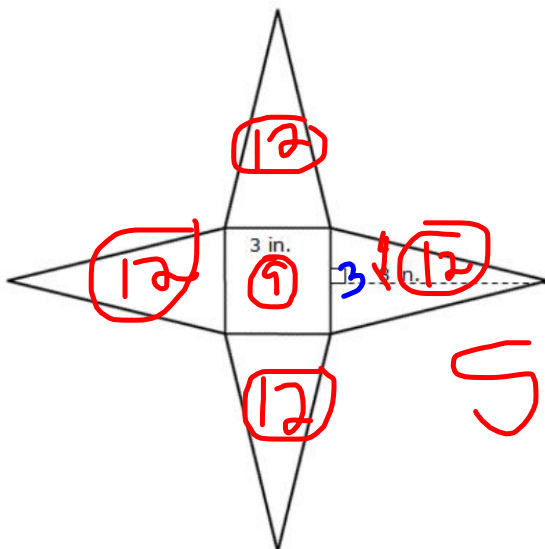
Find the total surface area of each shape using the nets provided.

RECTANGULAR PRISM



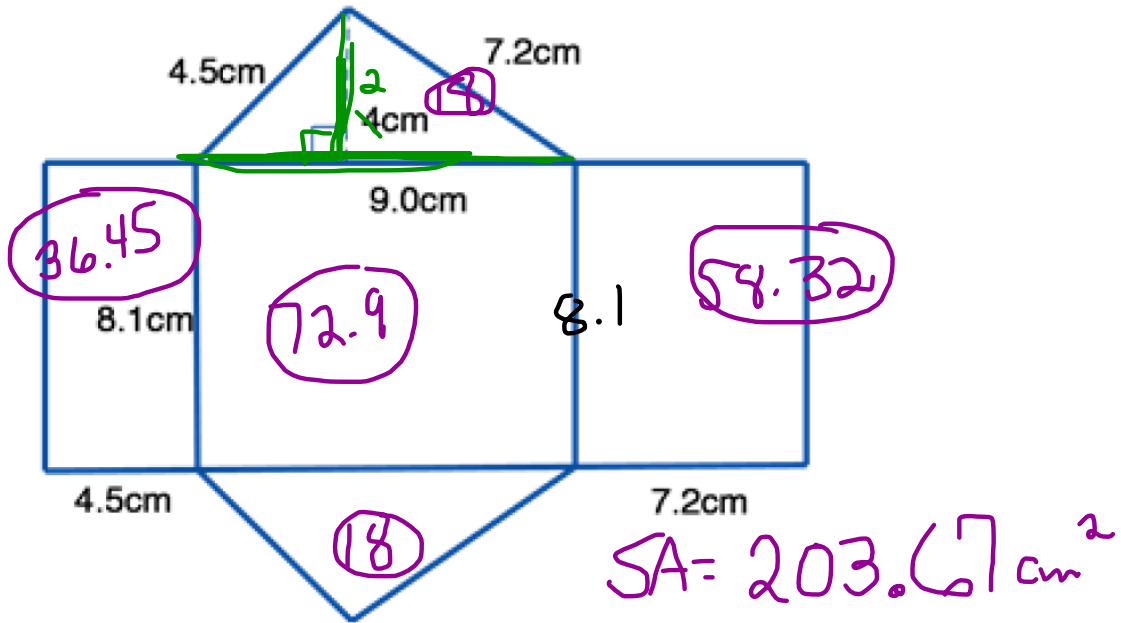
$SA = 208 \text{ cm}^2$

SQUARE PYRAMID



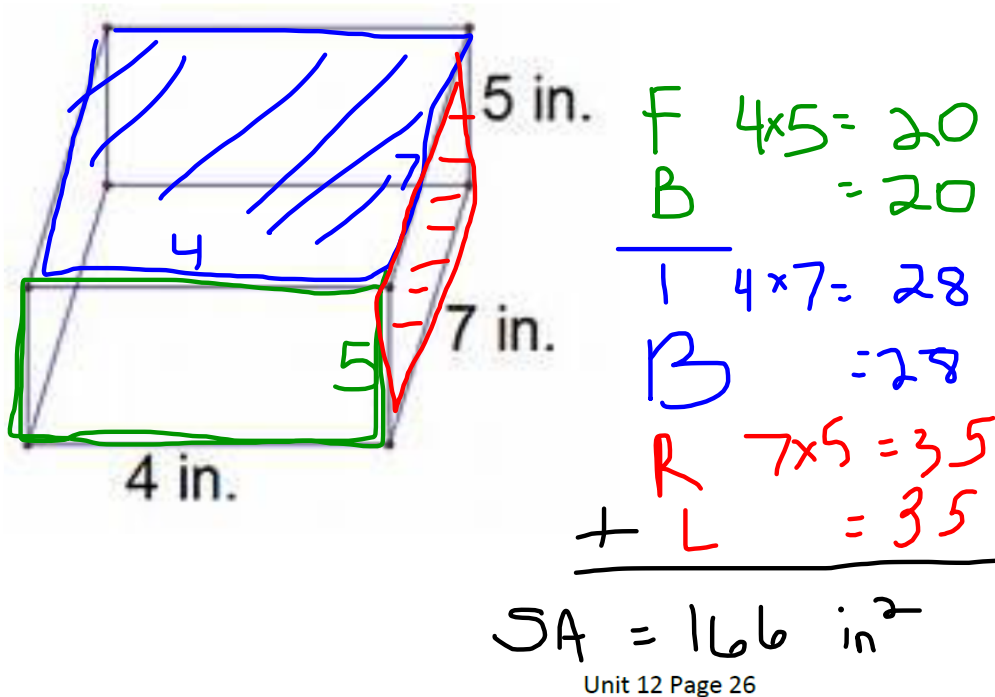
$SA = 57 \text{ in}^2$

✓ HW p 26
TRIANGULAR PRISM



Find the surface area of each shape by drawing nets.

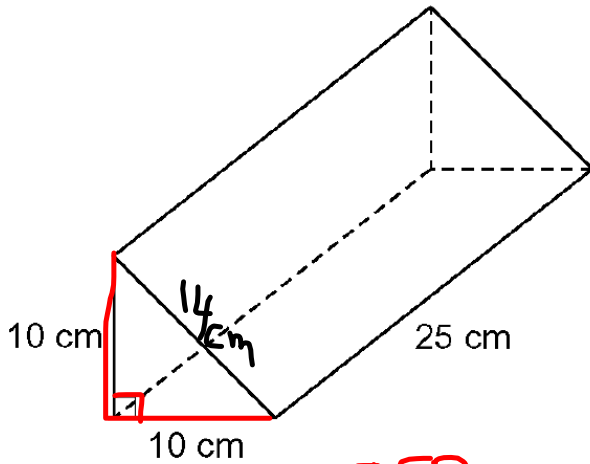
RECTANGULAR PRISM



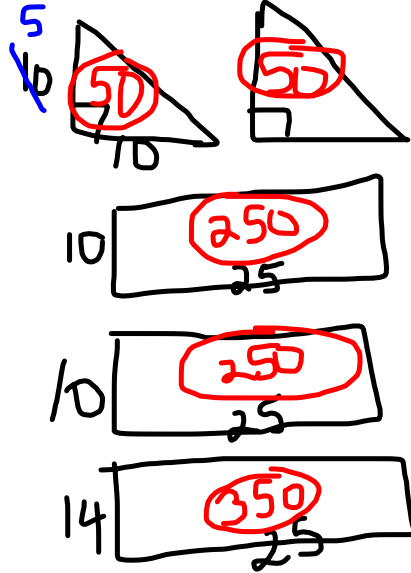
p27 → Find SA... draw a

TRIANGULAR PRISM

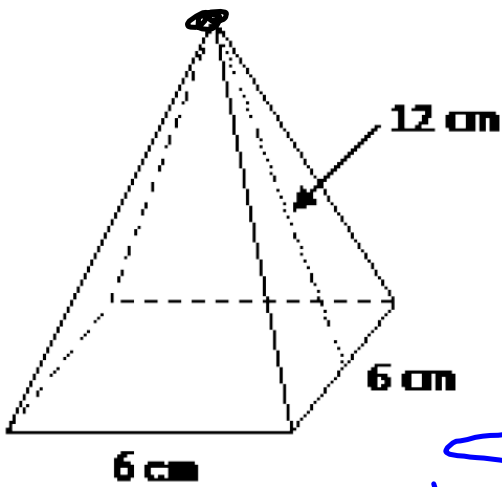
net



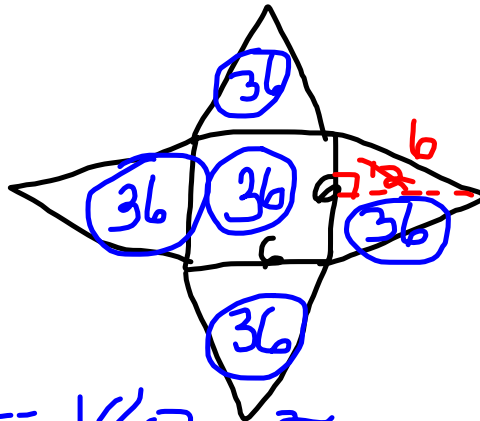
$SA = 950 \text{ cm}^2$



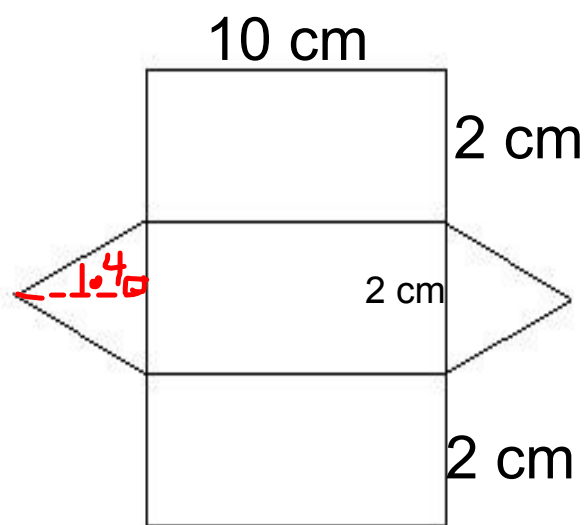
SQUARE PYRAMID



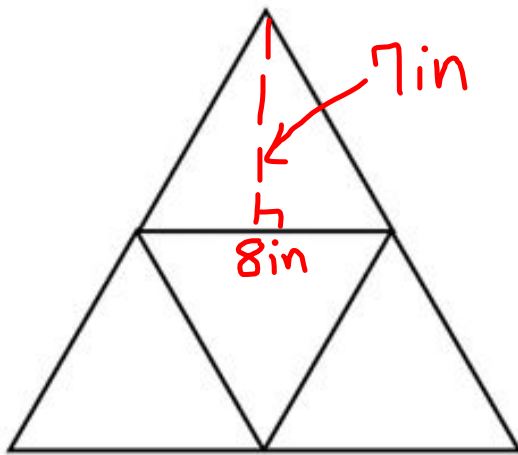
$SA = 180 \text{ cm}^2$



Find the SA using the net.



Find the SA using the net.

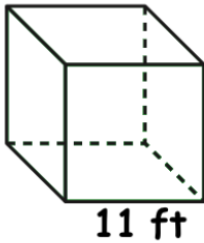


All are equilateral triangles.

p 28 # 1-3

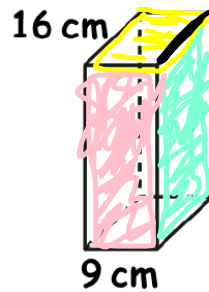
1.

Find the surface area of the prism.



2.

Find the surface area of the prism.



$$T \ 16 \times 9 = 144$$

$$B \quad = 144$$

$$L \ 16 \times 23 = 368$$

$$R \quad = 368$$

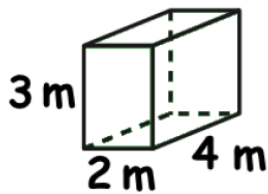
$$F \ 9 \times 23 = 207$$

$$B \quad = 207$$

$$SA = 1458 \text{ cm}^2$$

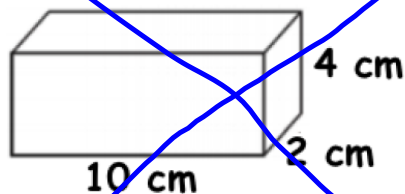
3.

Find the surface area of the prism.



4.

Find the surface area of the prism.



HW p 29 # 9-11

7. Find the surface area of the prism.

~~2.8 ft 30.5 ft 11.6 ft~~

8. Find the surface area of the prism.

~~0.3 yd 1.2 yd 2.6 yd~~

9. Find the surface area of the prism.

10. Find the surface area of the prism.

11. Ms. Green is painting the outside of a wooden box that is 9 feet long, 4.5 feet wide and 6 feet tall. If one cup of paint can cover up to 20 feet², how many cups of paint will Ms. Green need?

$T \quad 9 \times 4.5 = 40.5$
 $B \quad \quad \quad = 40.5$
 $L \quad 4.5 \times 6 = 27$
 $R \quad \quad \quad = 27$
 $F \quad 9 \times 6 = 54$
 $+ B \quad \quad \quad = 54$
 $SA = 243 \text{ ft}^2$

12. The length of the base of a square prism is 5.5 m. If the height of the prism is 6.75 m, what is the surface area of the figure in centimeters?

$243 \div 20 = 12.15$
 $\textcircled{13}$

Unit 12 Page 29

HW p 31 #1-2

1. Find the surface area.

12 ft

7 ft

2. Find the surface area.

11 in

13 in

18 in

7 in

SA = 415 in²

45.5

90

126

91

45.5

13

3.5