

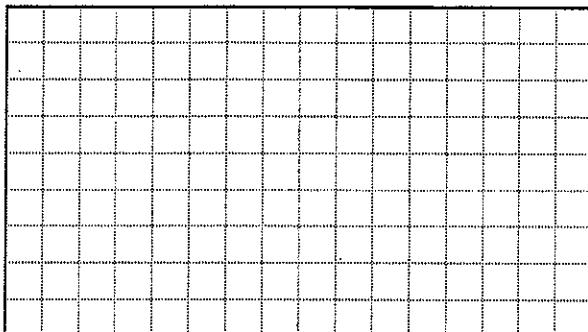
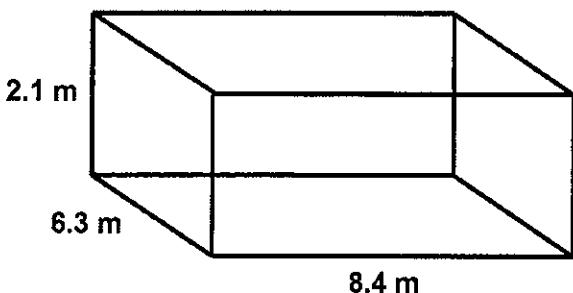
Skill Builder

2 Surface Area of Prisms

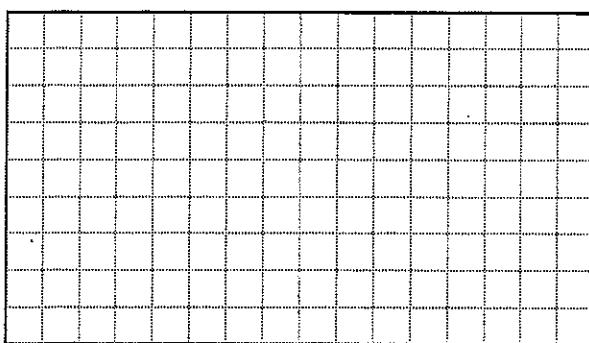
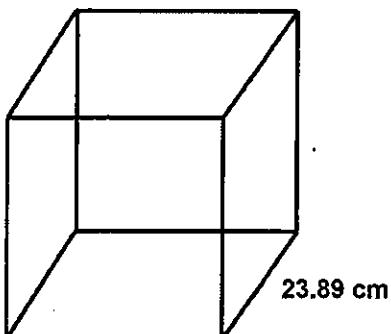
EVALUATED



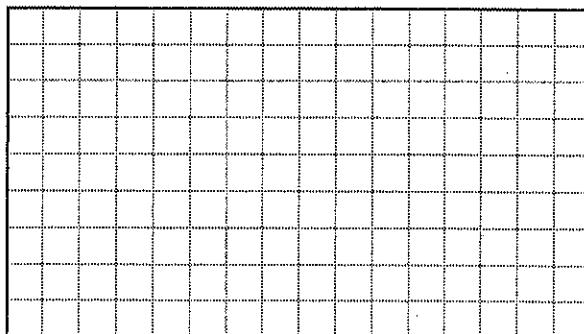
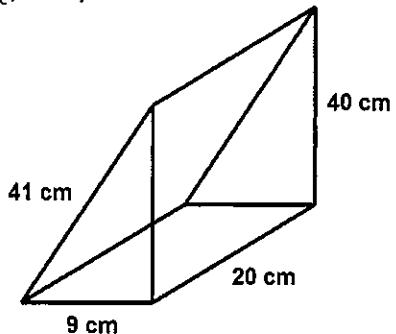
- 1 Draw a net to represent the rectangular prism.



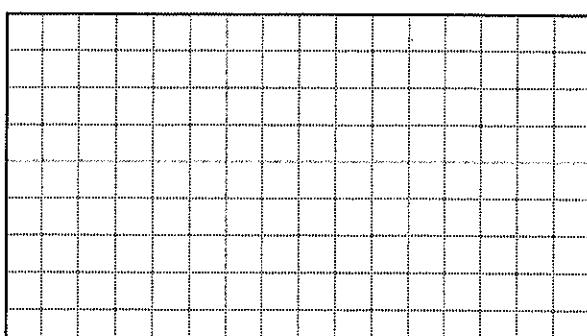
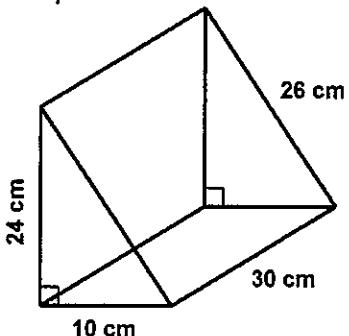
- 2 Draw and label a net to represent the cube.



- 3 Draw and label a net to represent the triangular prism.

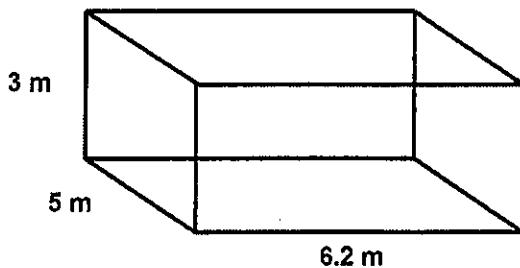


- 4 Draw and label a net to represent this right triangular prism.

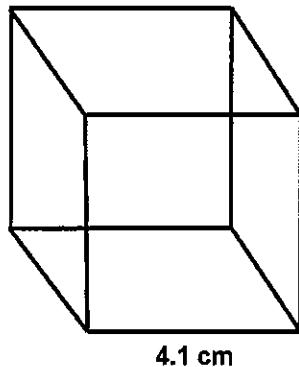


Skill Builder

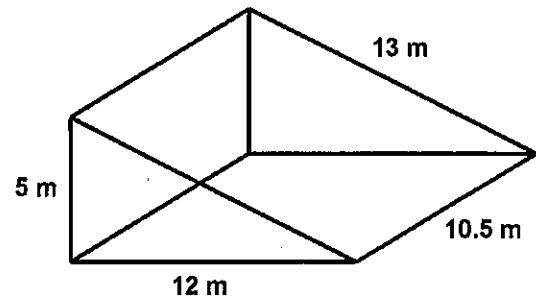
- 5** Calculate the surface area of the rectangular prism below.



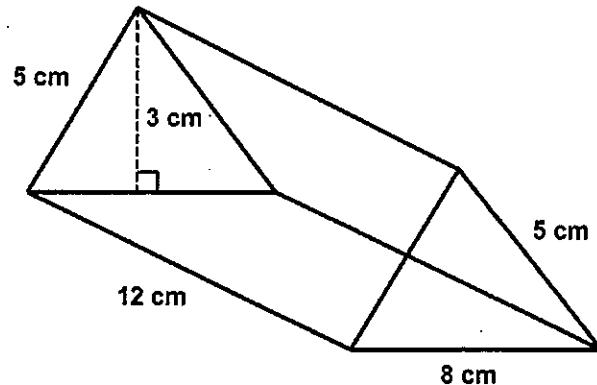
- 6** Calculate the surface area of the cube.



- 7** Calculate the surface area of the right triangular prism below.

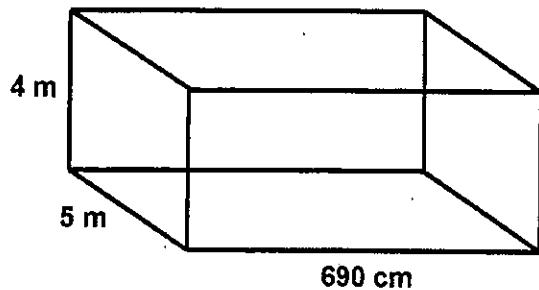


- 8** Calculate the surface area of the triangular prism.

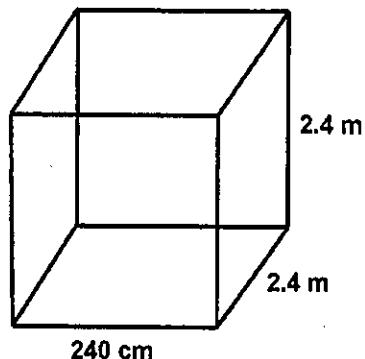


Skill Builder

- 9** Calculate the surface area of the rectangular prism below.



- 10** Calculate the surface area of the prism.



My Calculations

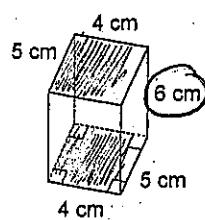
My Calculations

Assignment

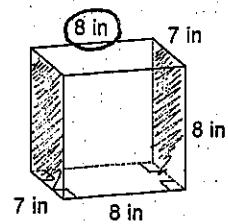
Date _____ Period _____

Find the lateral area of each figure. Round your answers to the nearest whole, if necessary.

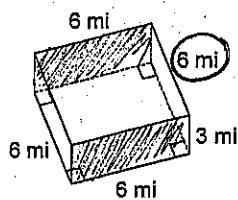
1)



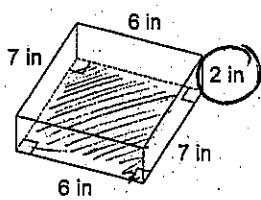
2)



3)

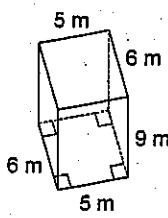


4)

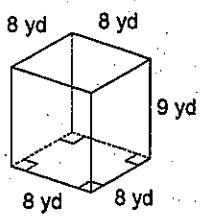


Find the surface area of each figure. Round your answers to the nearest whole, if necessary.

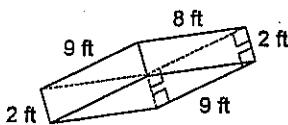
5)



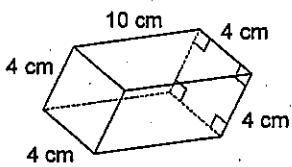
6)



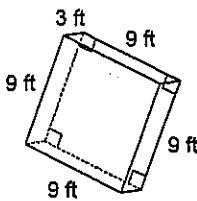
7)



8)

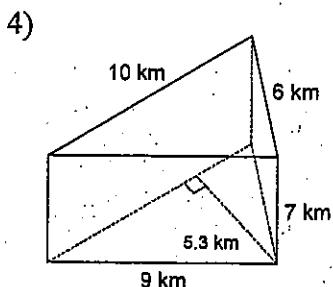
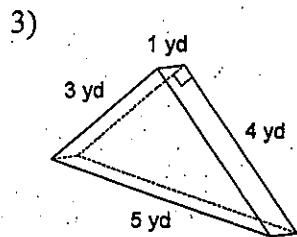
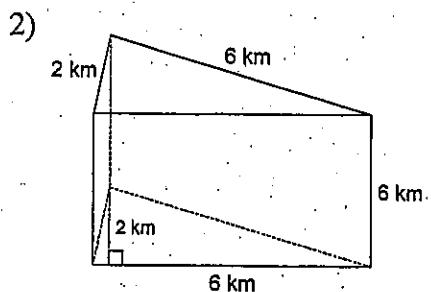
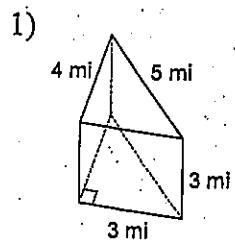


9)

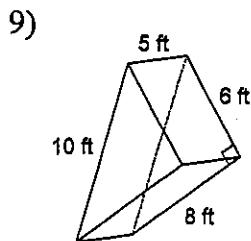
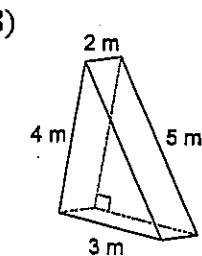
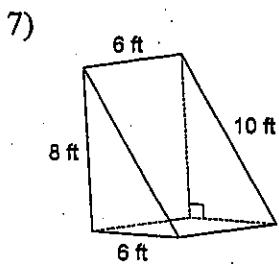
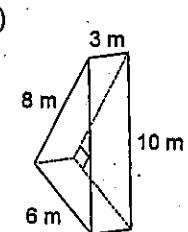
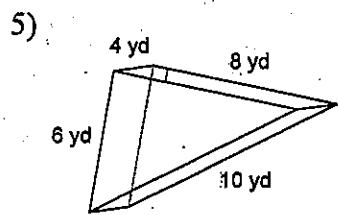


Assignment

Find the lateral area of each figure. Round your answers to the nearest whole, if necessary.



Find the surface area of each figure. Round your answers to the nearest whole, if necessary.



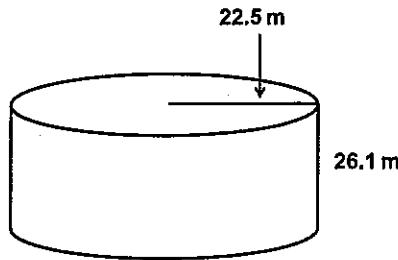
Skill Builder

4 Surface Area of Cylinders

Level 1 **EVALUATED**

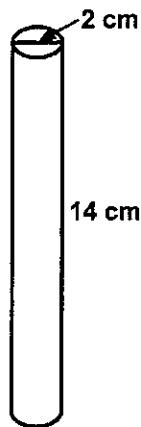


- 1** Draw and label the net for the following cylinder.

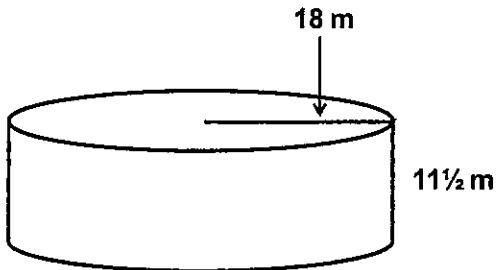


A blank 10x10 grid for drawing or plotting. The grid consists of 100 small squares arranged in a rectangular pattern.

- 2** Draw and label the net for the following cylinder.



- 3** Calculate the surface area of a cylinder.
Leave your answer in terms of π .

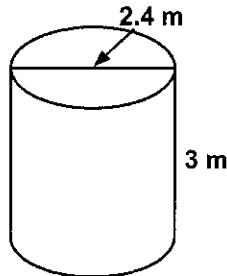


- 4** Calculate the surface area of the cylinder with a radius of 32 m shown in the diagram below. Round your answer to the nearest tenth.

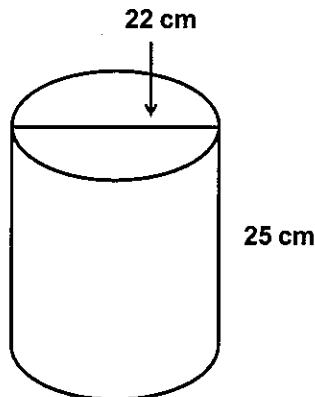


Skill Builder

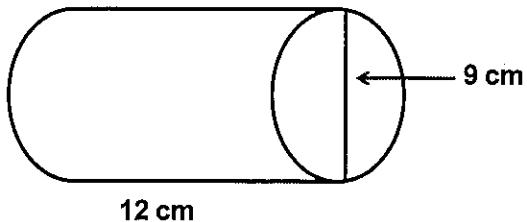
5 Calculate the surface area of the cylinder.
Leave your answer in terms of pi.



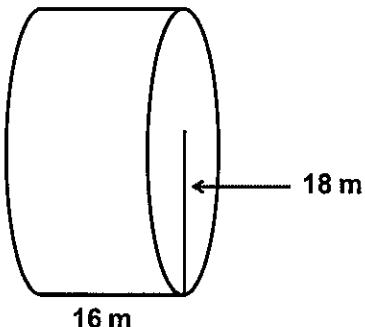
6 Calculate the surface area of the cylinder.
Round your answer to the nearest tenth.



7 Calculate the surface area of the cylinder.
Leave your answer in terms of pi.



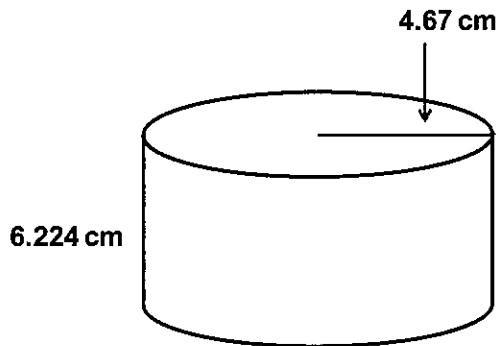
8 Calculate the surface area of the cylinder with a radius of 18 m shown in the diagram below. Give an exact answer.



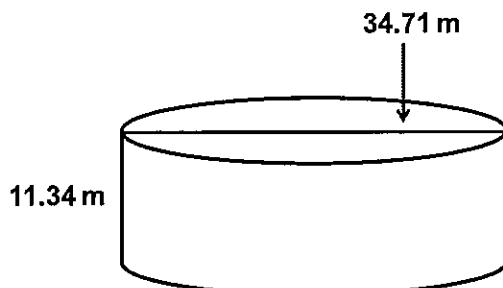


Skill Builder

- 9 Estimate the surface area of the cylinder with a radius of 4.67 cm shown in the diagram below.



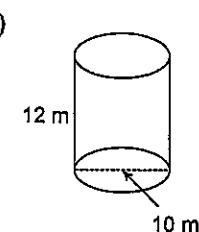
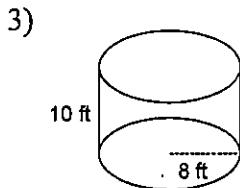
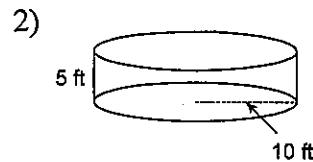
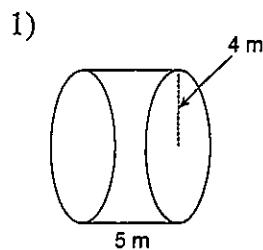
- 10 Estimate the surface area of the cylinder.



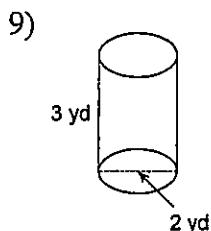
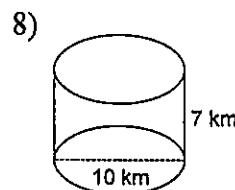
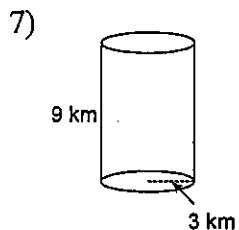
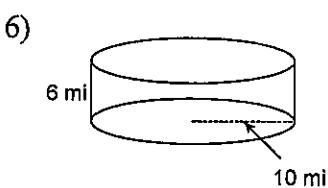
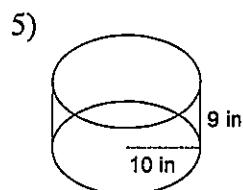
Assignment

Date _____ Period _____

Find the lateral area of each figure. Round your answers to the nearest hundredth, if necessary.



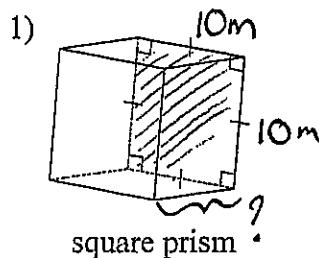
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.



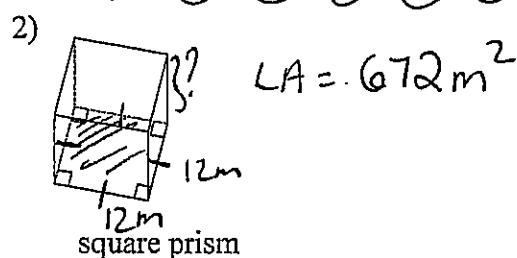
Assignment

Name _____

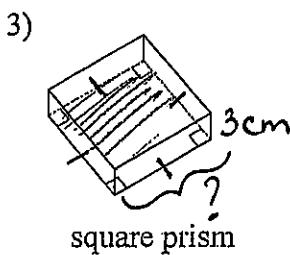
Date _____ Period _____

CALCULATE THE MISSING MEASURE

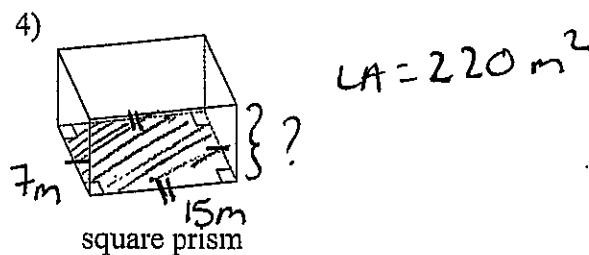
$$LA = 320 \text{ m}^2$$



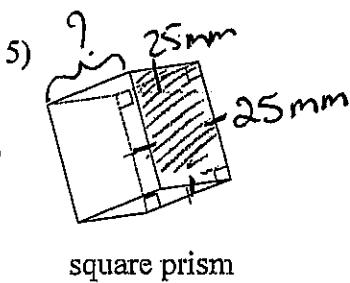
$$LA = 672 \text{ m}^2$$



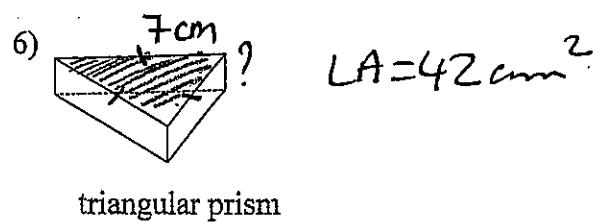
$$LA = 168 \text{ cm}^2$$



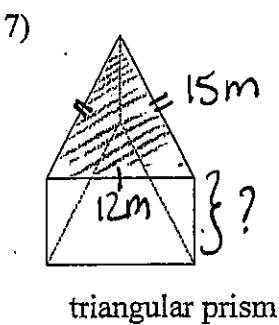
$$LA = 220 \text{ m}^2$$



$$TA = 3250 \text{ mm}^2$$

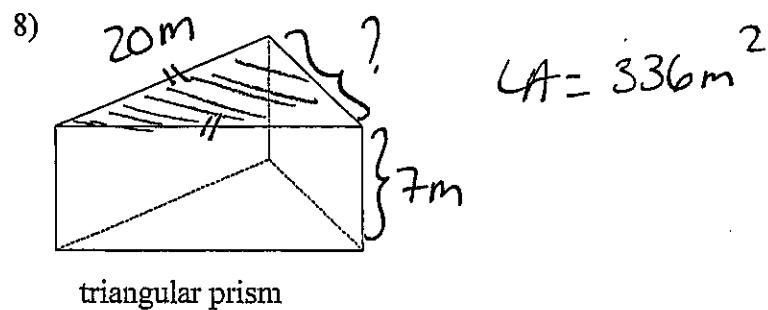


$$LA = 42 \text{ cm}^2$$



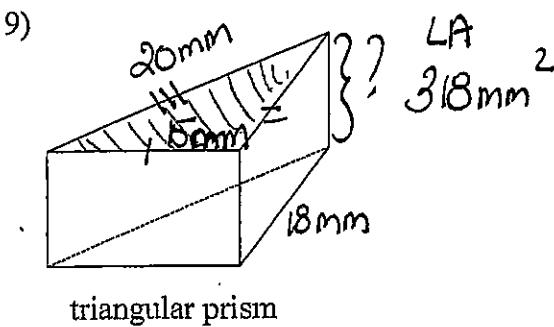
$$LA = 210 \text{ m}^2$$

triangular prism



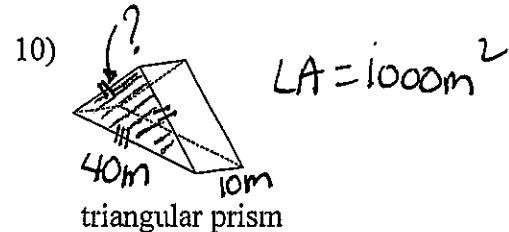
$$LA = 336 \text{ m}^2$$

triangular prism



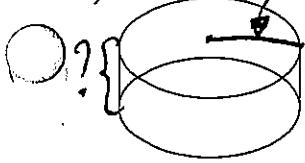
$$LA = 318 \text{ mm}^2$$

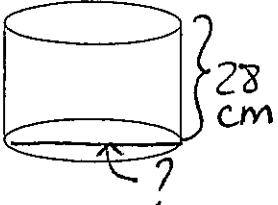
triangular prism

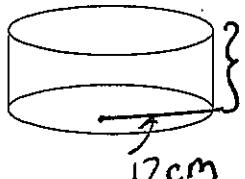


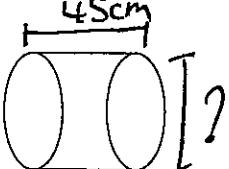
$$LA = 1000 \text{ m}^2$$

triangular prism

11)  $TA = 553.52 \text{ cm}^2$

12)  $LA = 3518.58 \text{ cm}^2$

13)  $TA = 1432.55 \text{ cm}^2$

14)  $LA = 4241.15 \text{ m}^2$

15)  $TA = 1201.659 \text{ m}^2$

14

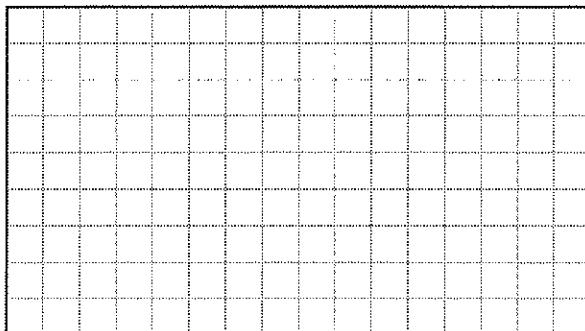
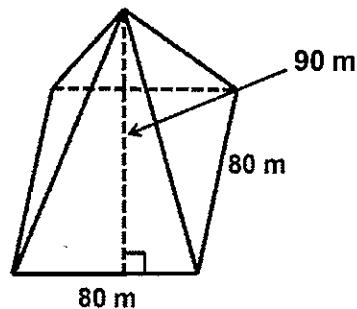
5 Surface Area of Pyramids

Level 1 **EVALUATED**

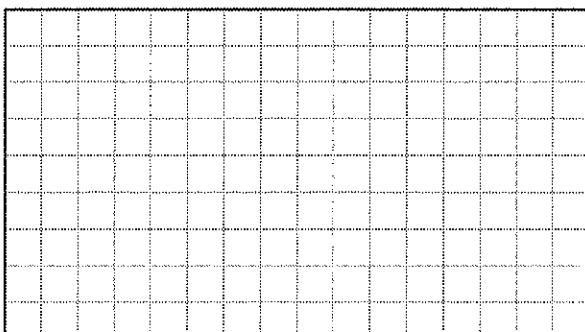
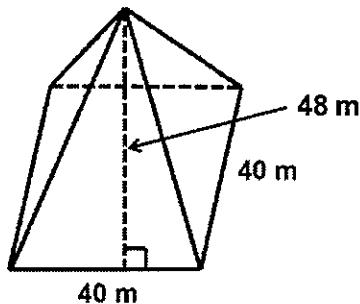


Skill Builder

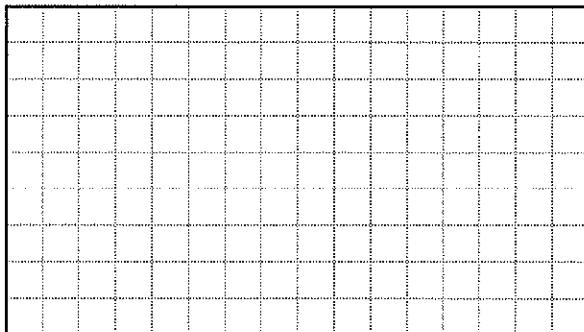
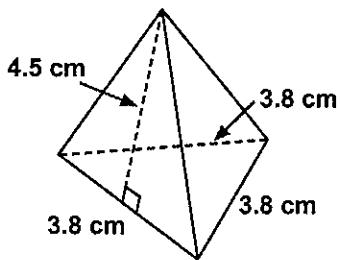
- 1** Draw and label a net to represent the pyramid.



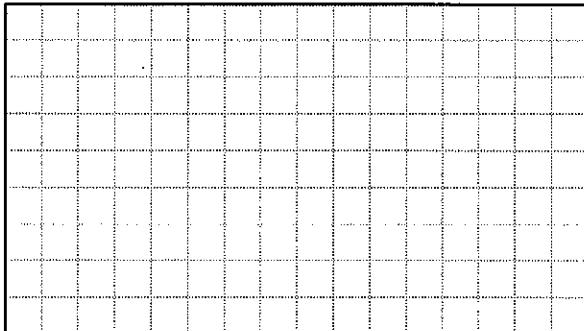
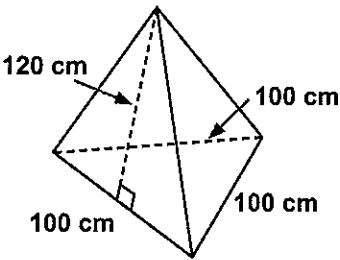
- 2** Draw and label a net to represent the pyramid.



- 3** Draw and label a net that represents the pyramid made up of four equilateral triangles shown below.

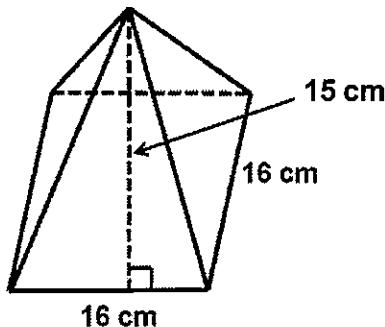


- 4** Draw and label a net that represents the pyramid made up of four equilateral triangles shown below.



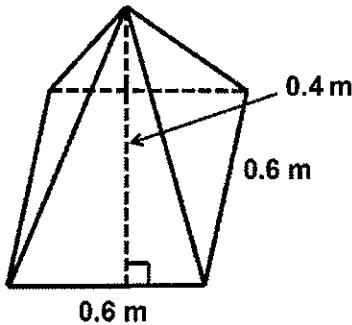
Skill Builder

- 5** Calculate the surface area of the pyramid with a square base.



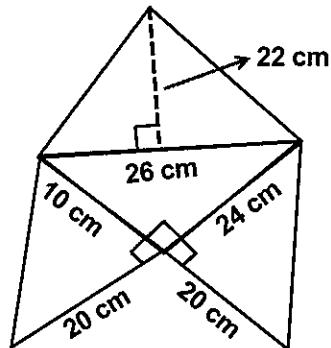
My Calculations

- 6** Calculate the surface area of the pyramid with a square base.



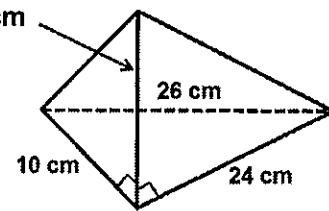
My Calculations

- 7** The net view and the front view of a pyramid is provided below. Calculate the surface area of the pyramid.



Net of the pyramid

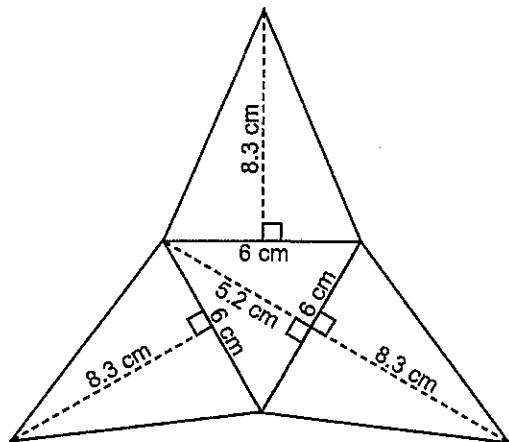
The height is 22 cm for the back triangle with a base length of 26 cm.



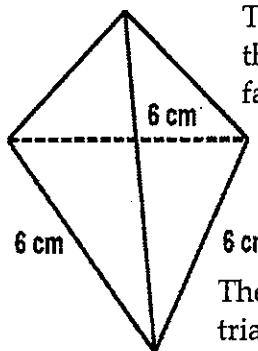
Front view

My Calculations

- 8** The net view and the front view of a pyramid is provided below. Calculate the surface area of the pyramid.



Net of the Pyramid

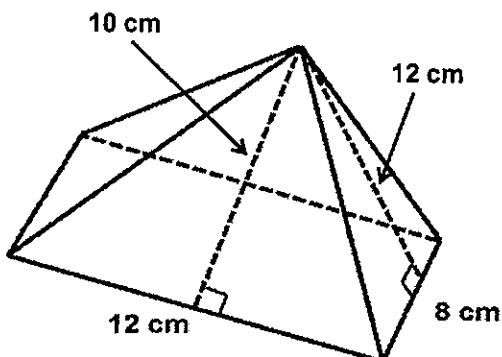


Front View

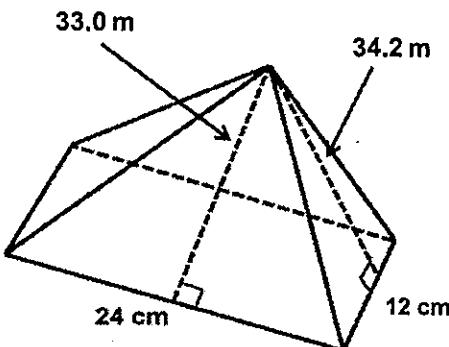
The height of the triangles that make up the lateral faces is 8.3 cm.

The height of the base triangle is 5.2 cm.

- 9** Calculate the surface area of the rectangular pyramid.



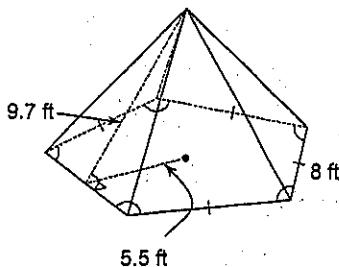
- 10** Calculate the surface area of the rectangular pyramid.



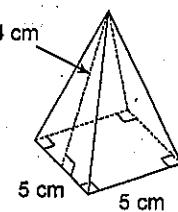
Assignment

Find the lateral area of each figure. Round your answers to the nearest whole, if necessary.

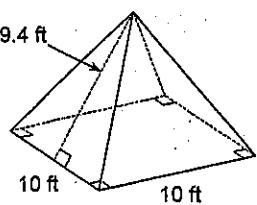
1)



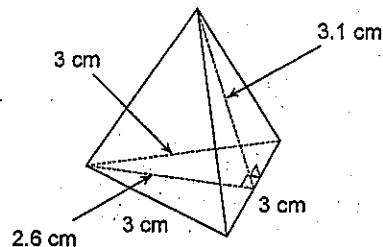
2)



3)

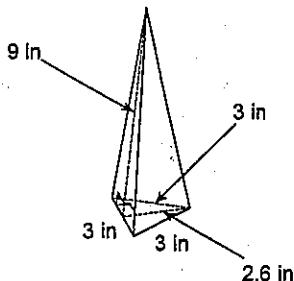


4)

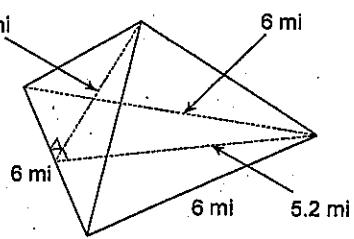


Find the surface area of each figure. Round your answers to the nearest whole, if necessary.

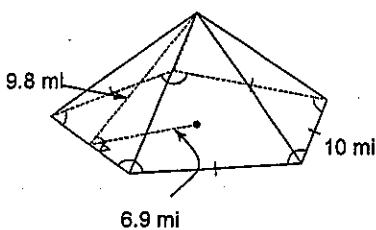
5)



6)



7)



8)

