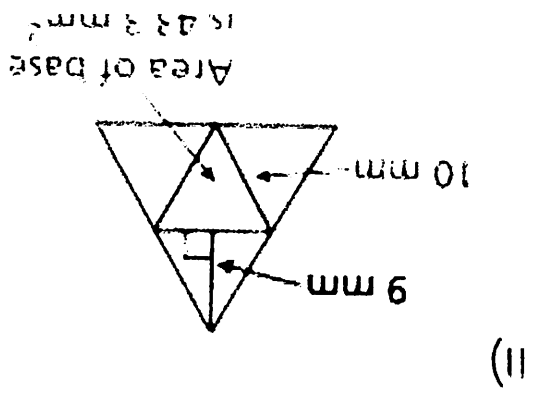
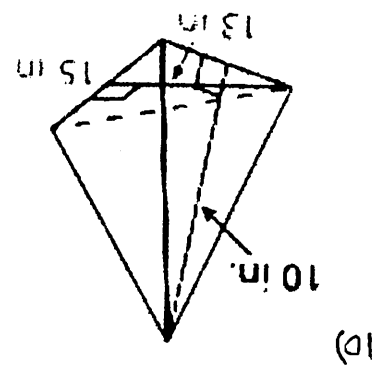
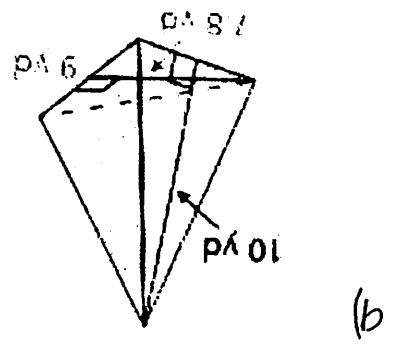
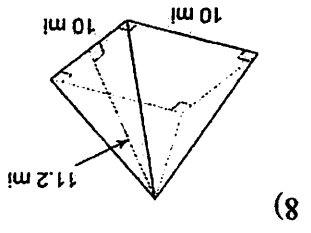
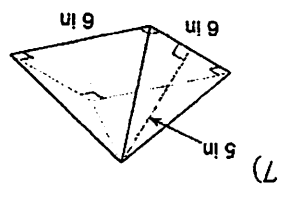
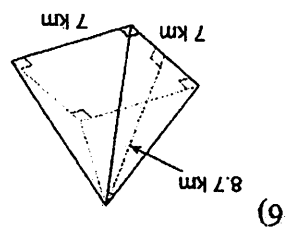
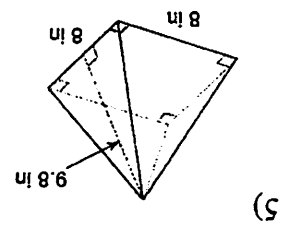
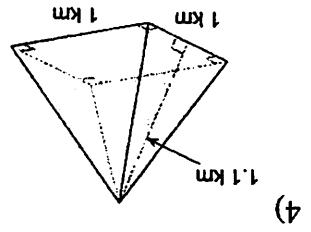
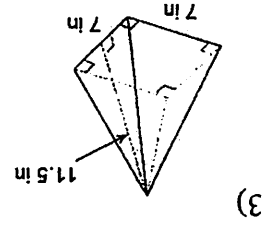
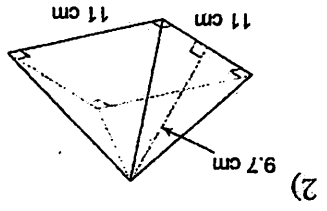
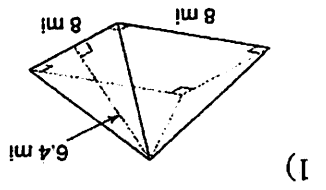


Geometry - Surface Area of Pyramids

Name _____ Date _____ Period _____

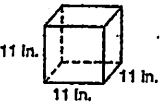
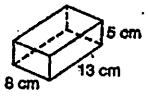
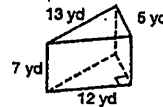
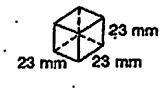
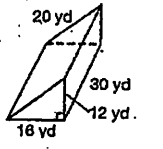
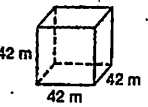
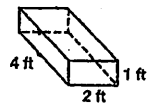
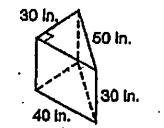
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.



SKILL 15: Practice

SHOW ALL WORK FOR #'s 1-14 on a sheet of paper folded into boxes.

Find the surface area of each prism. **AND VOLUME!**

1.  _____
2.  _____
3.  _____
4.  _____
5.  _____
6.  _____
7.  _____
8.  _____

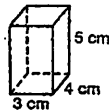
9. A music company wants to design a cardboard box for mailing a 2-CD set measuring 14 cm by 12 cm by 2 cm. What amount of surface area will the box have? _____

Find the surface area of the prism.

10. A cereal box measures 16 cm by 6 cm by 25 cm. What is the surface area of the box? _____



11. What is the surface area of the prism?



- A 60 cm² C 70 cm²
 B 64 cm² D 94 cm²

Skill 15

12. What is the area of a rectangle that has a length of 12 ft and a width of 10 ft?

- F 120 ft² H 44 ft²
 G 60 ft² J 22 ft²

Skill 8

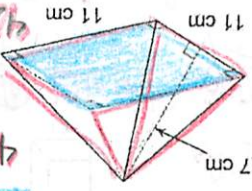
The surface area of a cube is 216 cm².

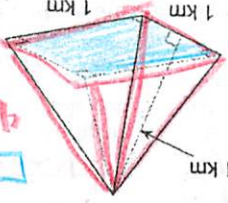
13. What is the surface area of one face of the cube? SA = _____ cm²
14. What is the length of one edge of the cube? _____ cm

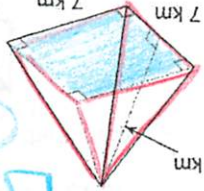
Geometry - Surface Area of Pyramids

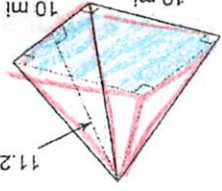
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.


Name _____
 Date _____
 Period _____

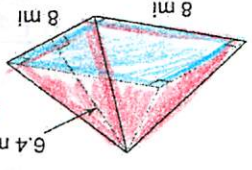
2)  $SA = 11 \cdot 11 + 11 \cdot 9.7 = 121 + 106.7 = 227.7 \text{ cm}^2$

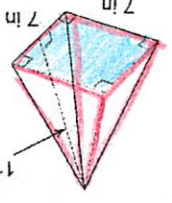
4)  $SA = 1.1 \cdot 1.1 + 1.1 \cdot 1 = 1.21 + 1.1 = 2.31 \text{ km}^2$

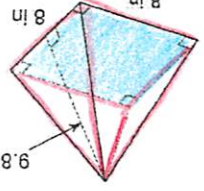
6)  $SA = 7 \cdot 7 + 7 \cdot 8.7 = 49 + 60.9 = 109.9 \text{ km}^2$

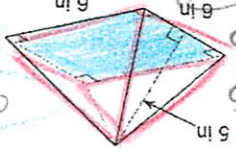
8)  $SA = 10 \cdot 10 + 10 \cdot 11.2 = 100 + 112 = 212 \text{ mi}^2$

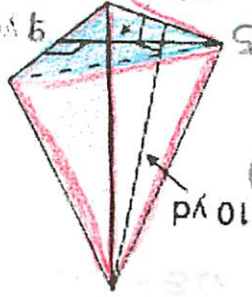
11)  $SA = 9 \cdot 9 + 9 \cdot 10 = 81 + 90 = 171 \text{ mm}^2$

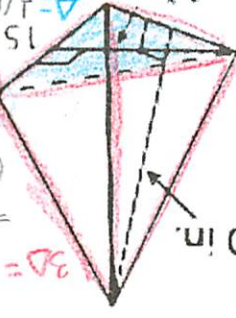
1)  $SA = 6.4 \cdot 6.4 + 6.4 \cdot 8 = 40.96 + 51.2 = 92.16 \text{ mi}^2$

3)  $SA = 7 \cdot 7 + 7 \cdot 11.5 = 49 + 80.5 = 129.5 \text{ in}^2$

5)  $SA = 8 \cdot 8 + 8 \cdot 9.8 = 64 + 78.4 = 142.4 \text{ in}^2$

7)  $SA = 6 \cdot 6 + 6 \cdot 9.6 = 36 + 57.6 = 93.6 \text{ in}^2$

9)  $SA = 9 \cdot 9 + 9 \cdot 10 = 81 + 90 = 171 \text{ yd}^2$

10)  $SA = 10 \cdot 10 + 10 \cdot 13 = 100 + 130 = 230 \text{ in}^2$

SKILL 15: Practice

SHOW ALL WORK FOR #'s 1-14 on a sheet of paper folded into boxes.

Find the surface area of each prism. AND volume!

1. $SA = 726 \text{ in}^2$
 $V = 1331 \text{ in}^3$

2. $SA = 340 \text{ cm}^2$
 $V = 520 \text{ in}^3$

3. $SA = 335 \text{ yd}^2$

4. $SA = 3174 \text{ mm}^2$
 $V = 12,167 \text{ in}^3$

5. $SA = 1032 \text{ yd}^2$

6. $SA = 10,584 \text{ m}^2$
 $V = 74,088 \text{ in}^3$

7. $SA = 28 \text{ ft}^2$
 $V = 8 \text{ ft}^3$

8. $SA = 4800 \text{ in}^2$

9. A music company wants to design a cardboard box for mailing a 2-CD set measuring 14 cm by 12 cm by 2 cm. What amount of surface area will the box have?

440 cm^2

Find the surface area of the prism.

10. A cereal box measures 16 cm by 6 cm by 25 cm. What is the surface area of the box?

1292 cm^2

9 $12 \cdot 2 = 24 \cdot 2 = 48$
 $12 \cdot 4 = 48 \cdot 2 = 336$
 $2 \cdot 4 = 28 \cdot 2 = 56$
440 cm²

TEST PREP

11. What is the surface area of the prism?

 A 60 cm² C 70 cm²
 B 64 cm² D 94 cm²

12. What is the area of a rectangle that has a length of 12 ft and a width of 10 ft?
 F 120 ft² H 44 ft²
 G 60 ft² J 22 ft²

$12 \cdot 10 = 120$

$\square = 3 \cdot 4 = 12 \cdot 2 = 24$
 $\square = 5 \cdot 4 = 20 \cdot 2 = 40$
 $\square = 5 \cdot 3 = 15 \cdot 2 = 30$
94 cm²

The surface area of a cube is 216 cm².

13. What is the surface area of one face of the cube? $SA = 36 \text{ cm}^2$

14. What is the length of one edge of the cube? $\sqrt{36} = 6 \text{ cm}$
 $6 \cdot 6 = 36$