**Acc Geometry**

**Surface Area of Prisms- Notes**

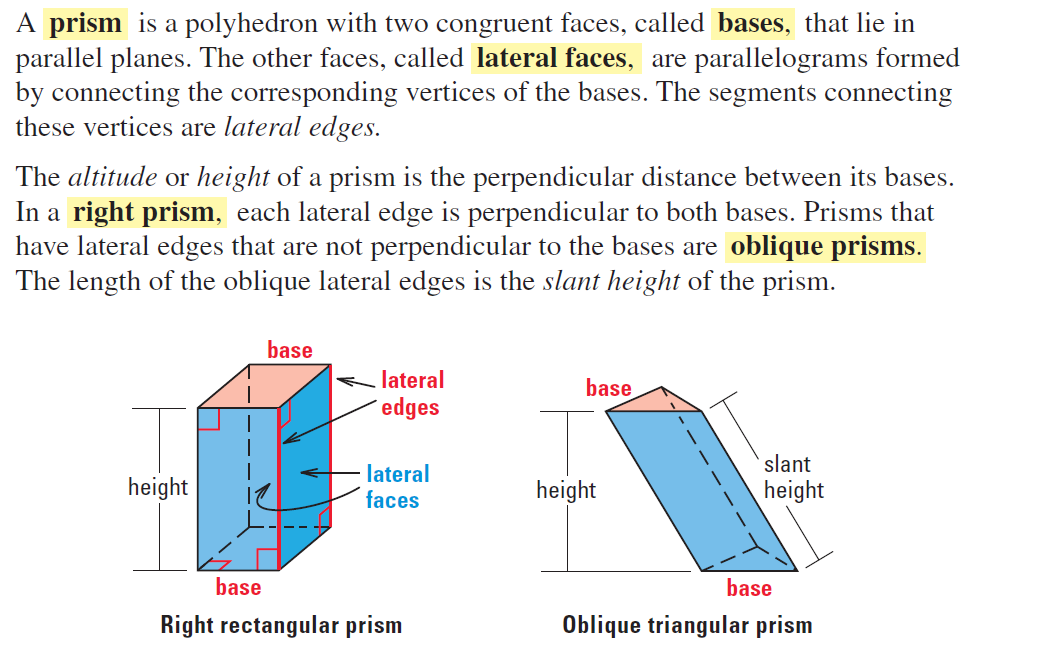
Prior to lesson:

Pages: 5-8 Cut out and find the area

<http://www.misd.net/mathematics/ImplementingGeometryUnits/3Dimensional/Netspyramidsandprisms.pdf>

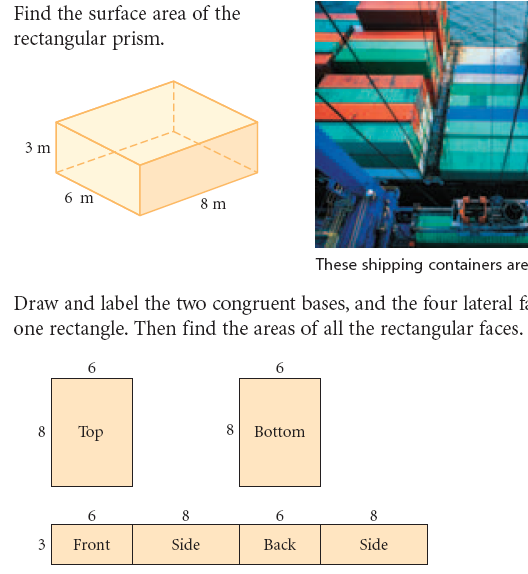
Put all work on the work sheet:

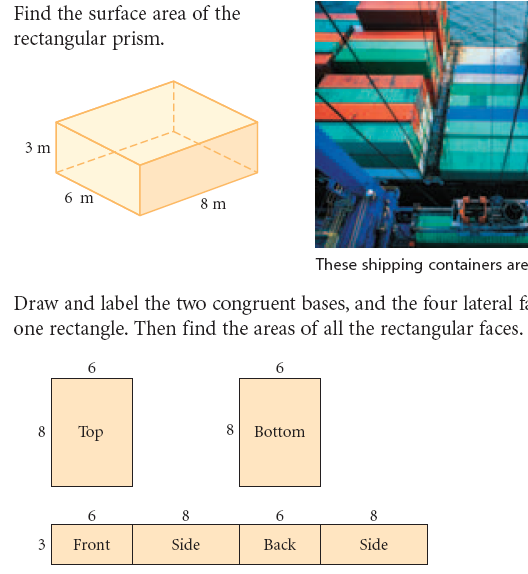
<http://www.misd.net/mathematics/ImplementingGeometryUnits/3Dimensional/Prisms.pdf>



Example1:

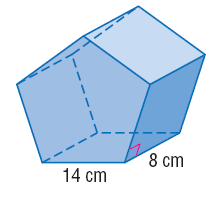
Find the lateral area and surface area of the prism.



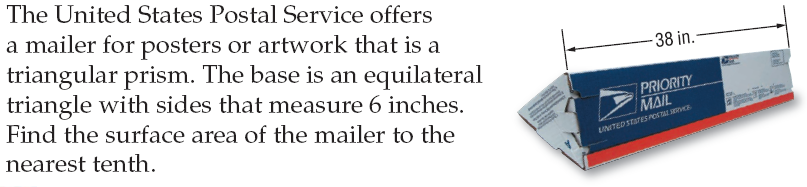


Find the lateral area and the surface area of the following solids. Round your answers to the nearest hundredth.

Example 2:



Example 3:

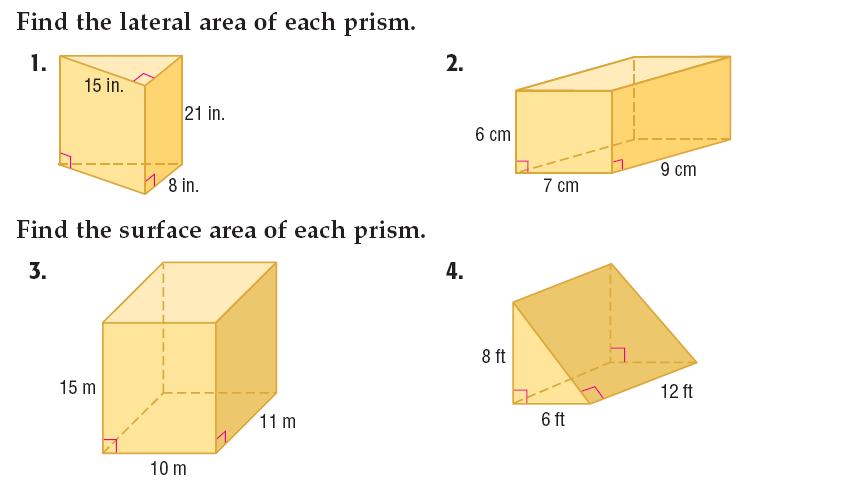


**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

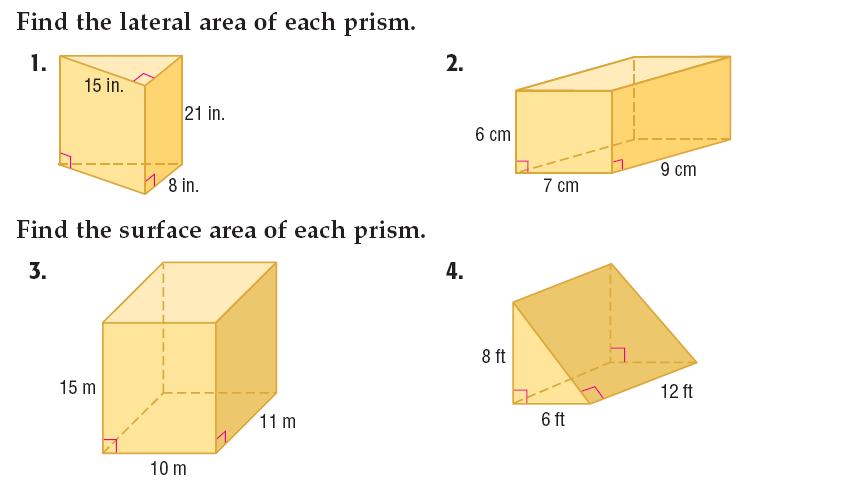
**Acc Geometry**

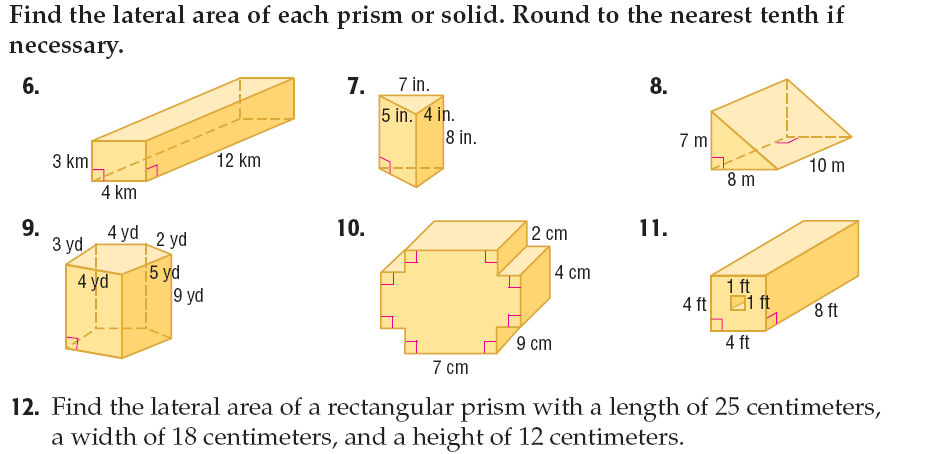
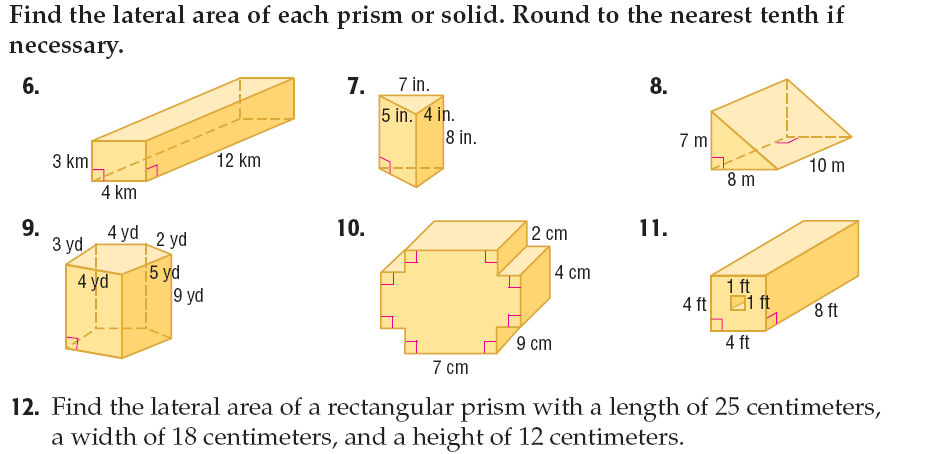
**Surface Area of Prisms- HW**

Directions: Round your answers to the nearest tenth if necessary.

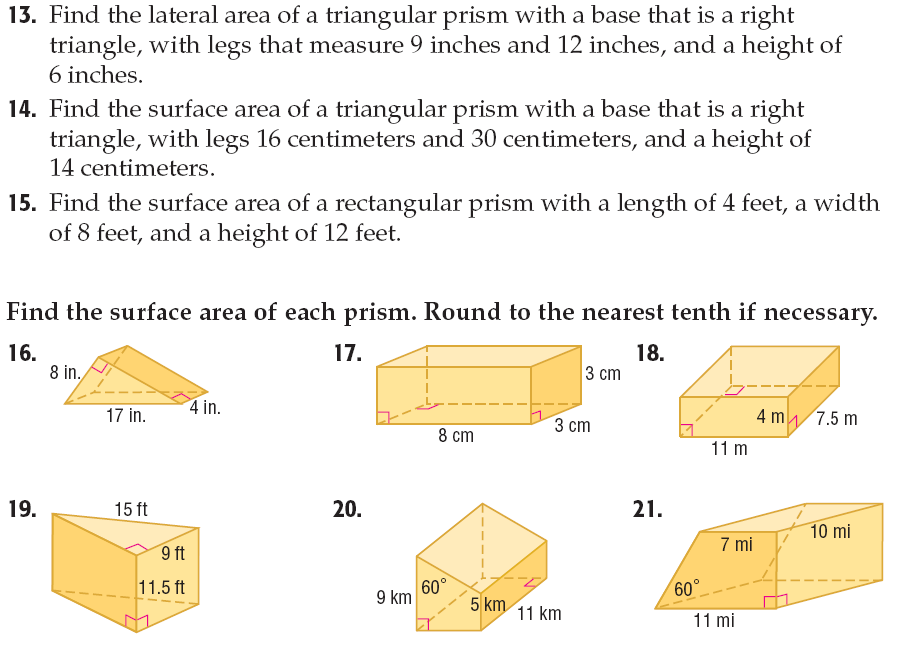


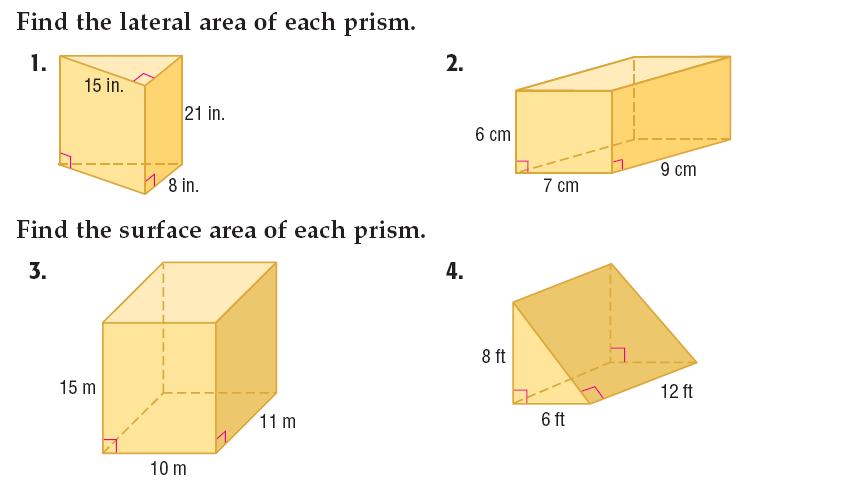
Use 6x7 as the bases.

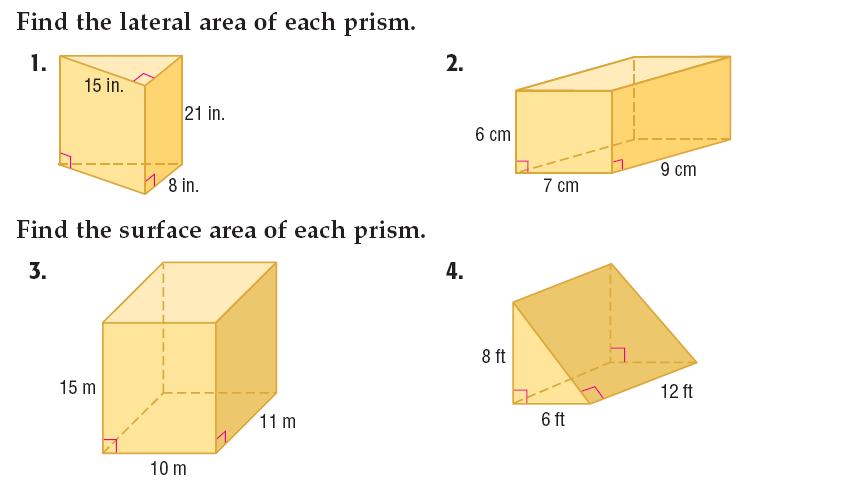


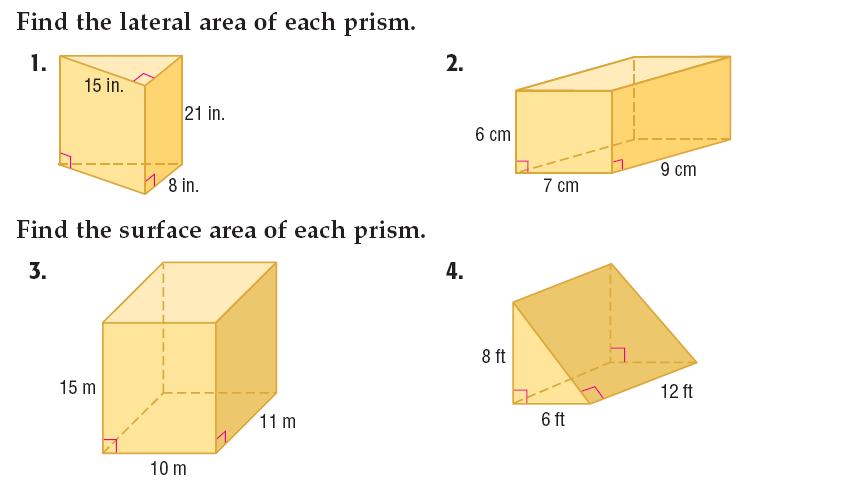


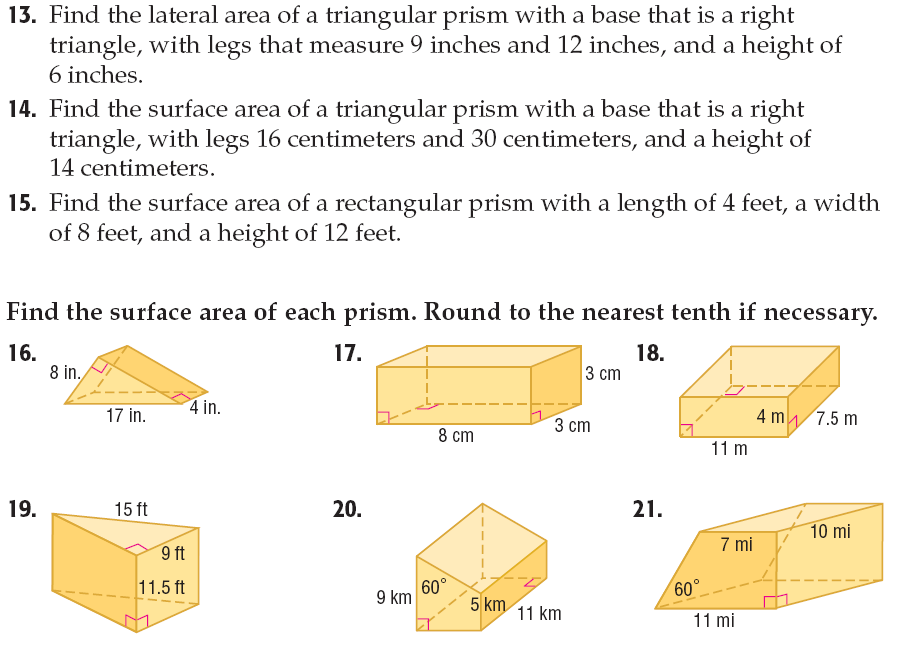
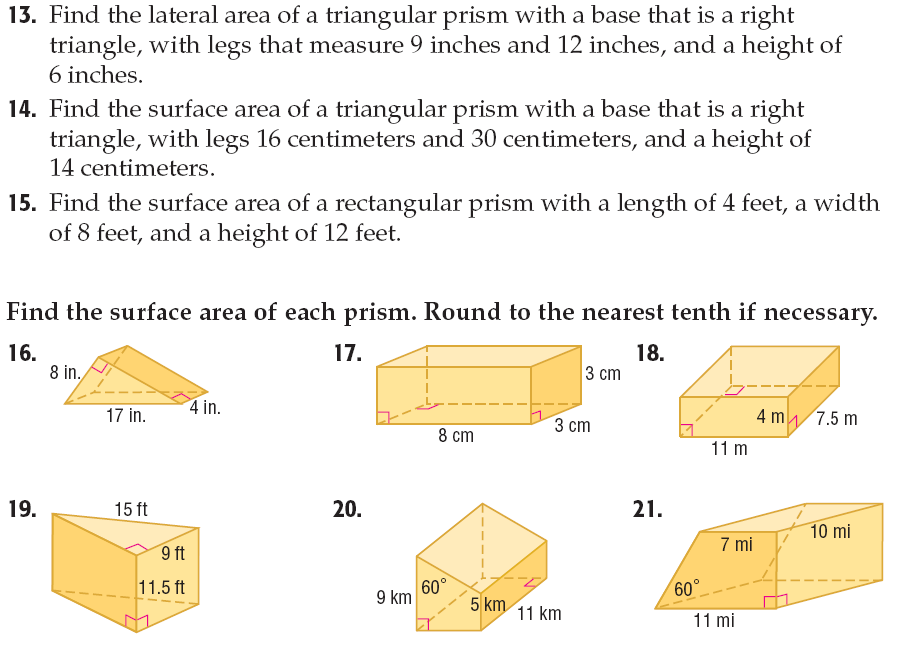
**3. 4.**

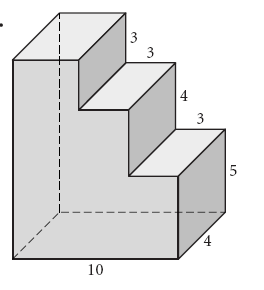
**5.**

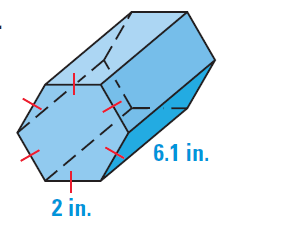




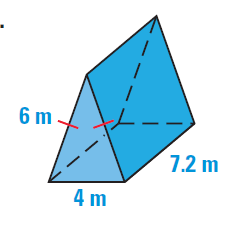
**6. 7.**

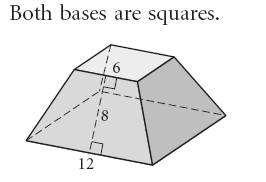
**8. 9.**

****

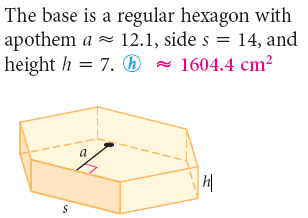
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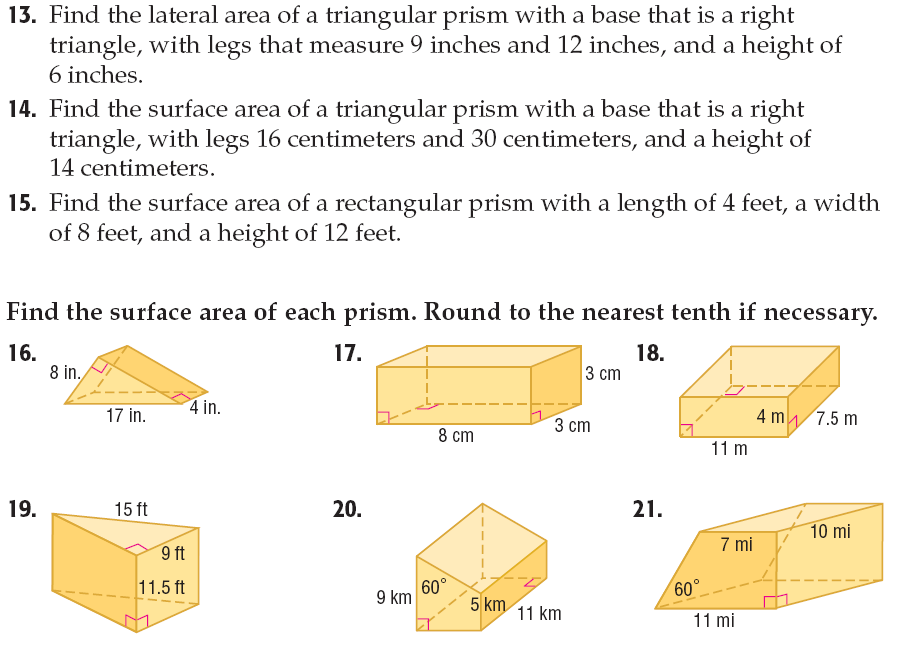
**10. 11.**

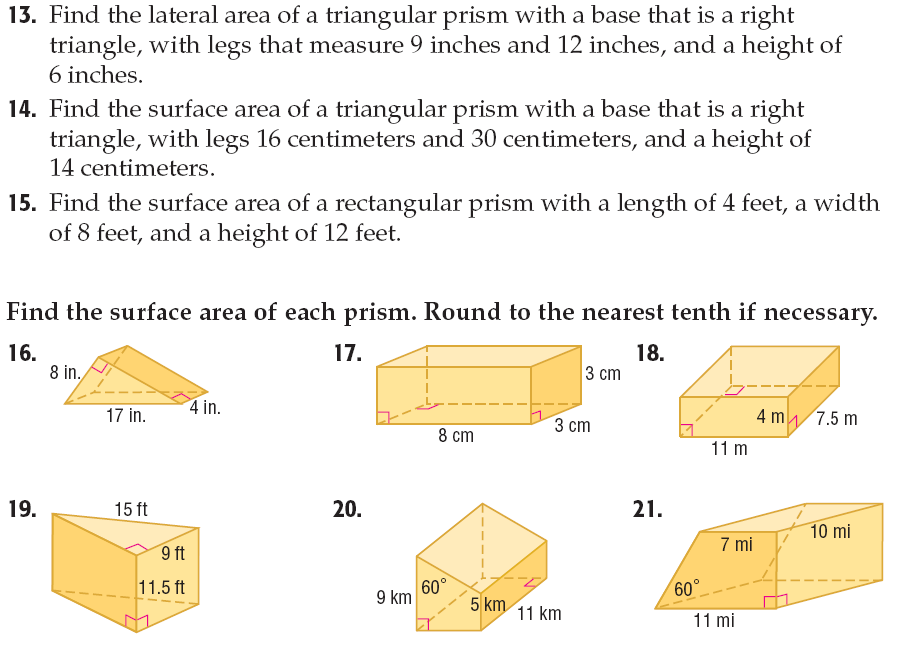
****

**12. 13.**

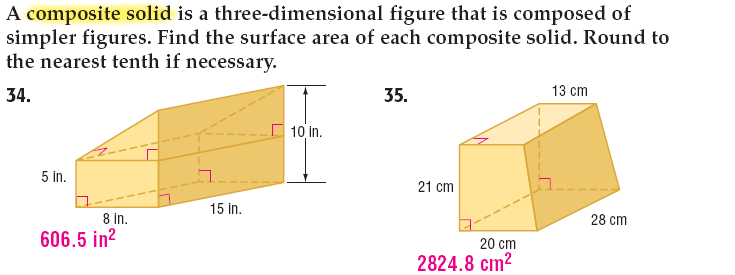
**14.** The base is a regular hexagon with a=12.1cm s=14 cm and h=7cm

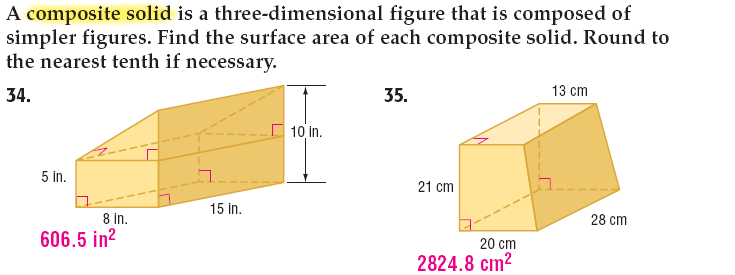
****

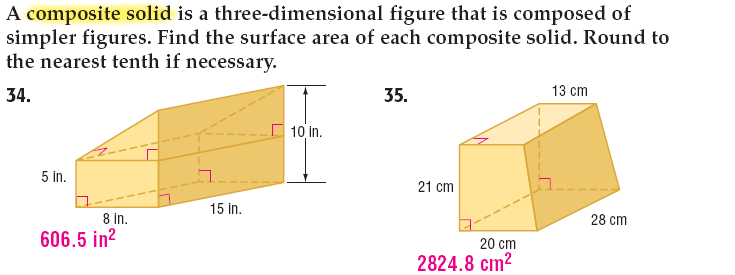
**15.**

****

**16.**



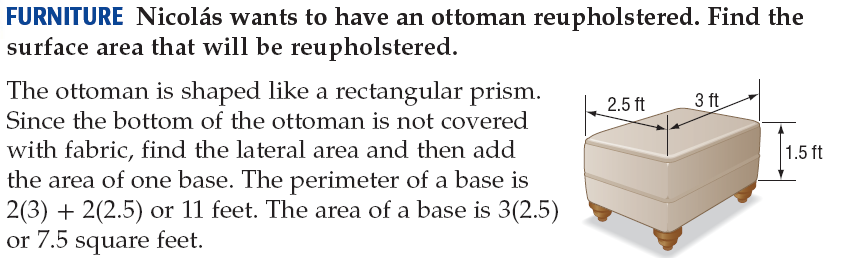


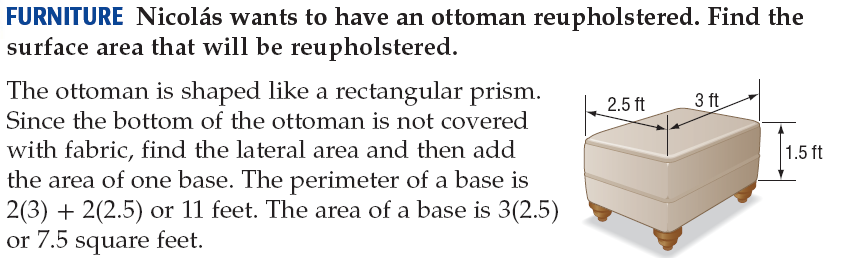
**17. 18.**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_**

**Real World Applications**

Round answers to the nearest tenth.

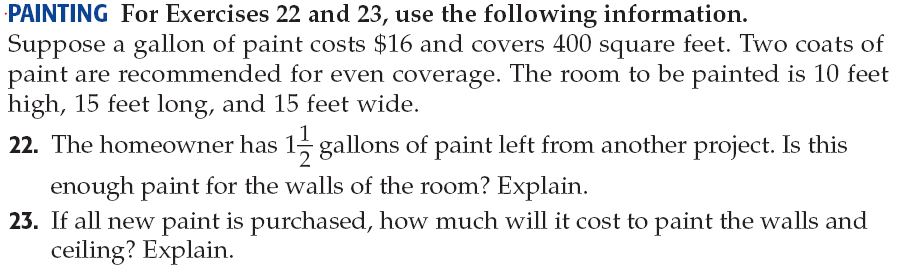
**1.**

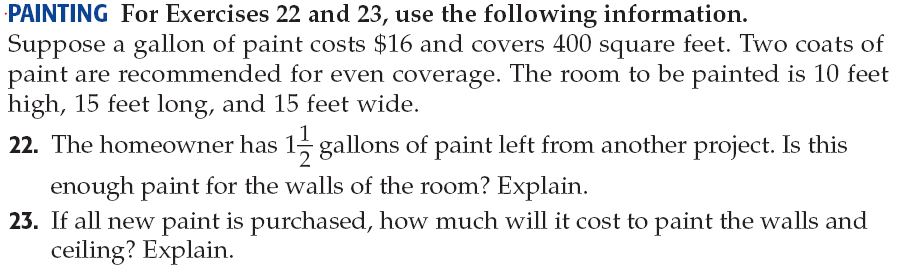
****

****

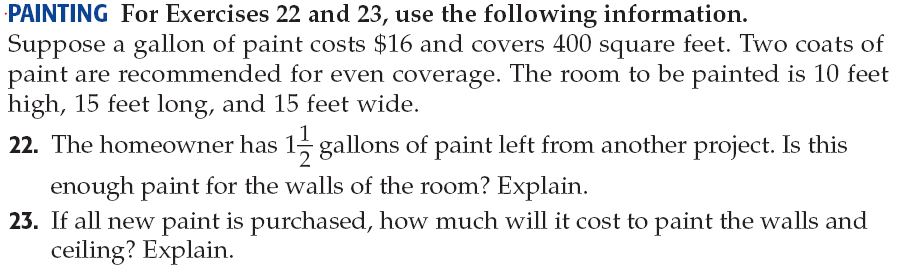
**2.**

**For #3 & 4 use the following information:**

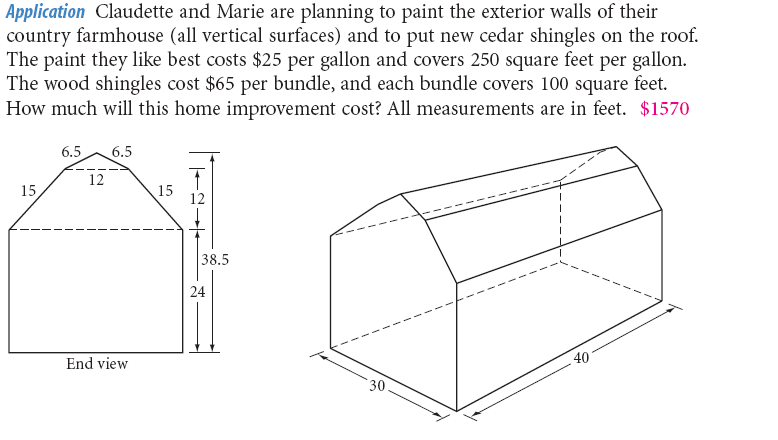
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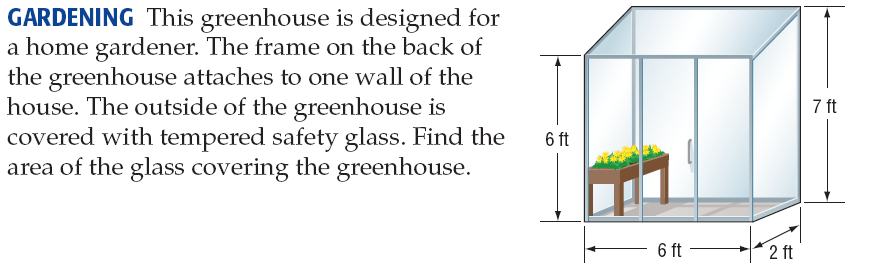
****

**3.**

**4.**

**5.**

**6.**



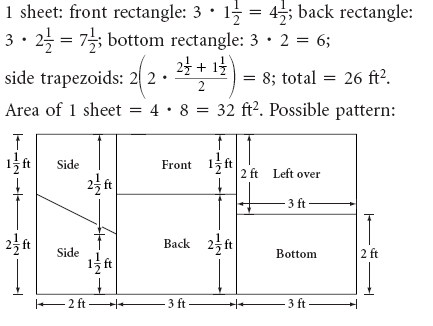
7.

Solutions: SA of Prisms HW

1. 840 in2 2. 234 cm2 3. 128 in2 4. 162 yd2 5. 216 in2 6. 850 m2

7. 336 ft2 8. 415.2 km2 9. 454.0 mi2 10. 356 cm2 11. 94.0 in2 12. 468 cm2

13. 137.8 m2 14. 1604.4 cm2 15. 1600cm2 16. 352 ft2 17. 606.5 in2 18. 2824.8 cm2

Real World Applications

1. 24 ft2 2. 1140 ft2

3. No, walls are 600ft2; 1.5 gallons will only be 5.

enough for one coat.

4. $80

6. $1570

7. 75.4 ft2