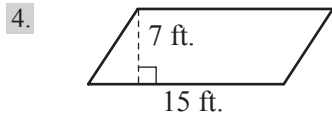
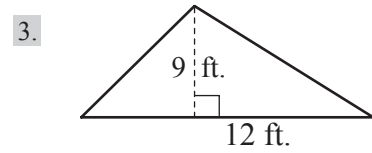
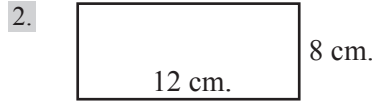


**Review Exercises**

For 1 - 6 find the areas.



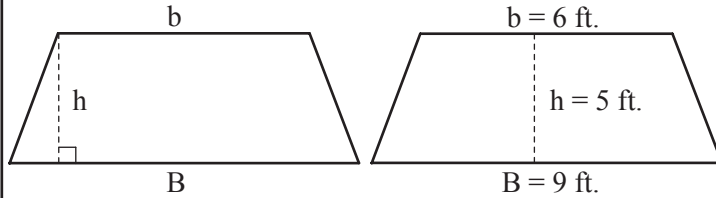
5. A triangle with  $b = 7$  ft. and  $h = 15$  ft.

6. A square with sides 8 ft.

**Helpful Hints**

Area of a trapezoid =  $\frac{h(B + b)}{2}$

Example:  $A = \frac{h(B + b)}{2}$

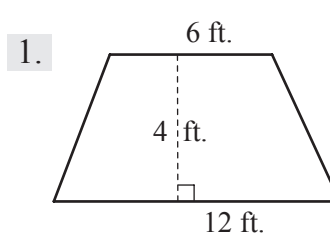
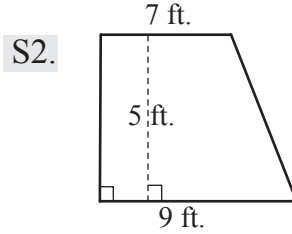
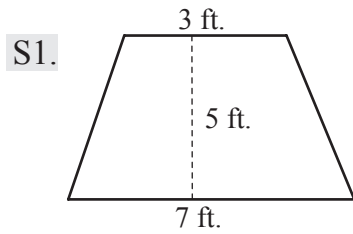


$A = \frac{5(9 + 6)}{2}$

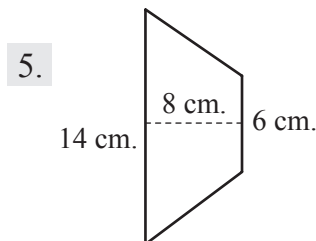
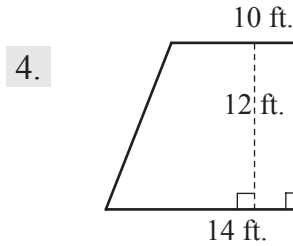
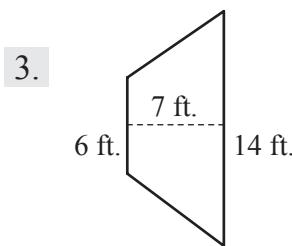
$A = \frac{5(15)}{2}$

$A = \frac{75}{2} = 2 \overline{)75}^{37\frac{1}{2}}$  Area =  $37\frac{1}{2}$  sq. ft.

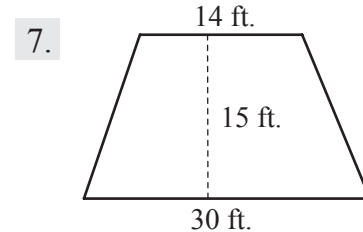
Find the following areas. If there is no figure, make a sketch. Write the formula. Substitute the values. Solve the problem.



2. A Trapezoid with  $B = 16$  ft.  $b = 6$  ft.  $h = 4$  ft.



6. A Trapezoid with  $B = 7$  ft.  $b = 4$  ft.  $h = 3$  ft.



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

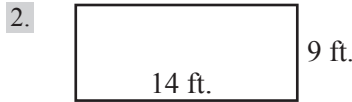
Score

**Problem Solving**

Zoe is going to make a cloth banner in the shape of a triangle. If the base of the triangle is 24 inches and the height is 20 inches, how many square inches of cloth does she need?

## Review Exercises

For 1 - 6 find the perimeter or circumference.



3. A regular pentagon with sides 17 ft.



5. A regular decagon with sides 23 cm.

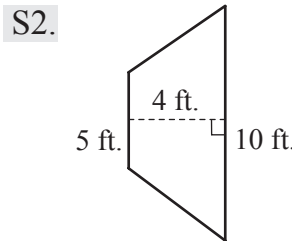
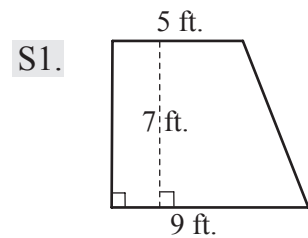


### Helpful Hints

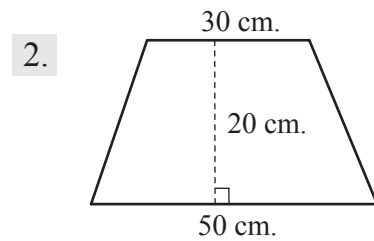
**Trapezoid**  
 $A = \frac{h(B + b)}{2}$

Use what you have learned to solve the following problems.  
 \* Remember, areas are expressed in square units.

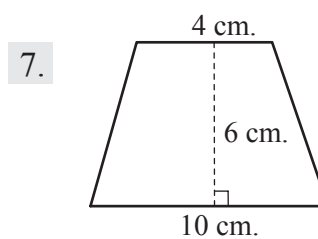
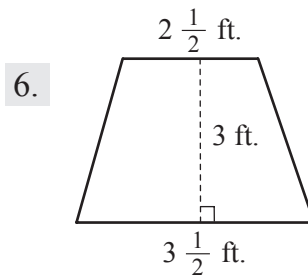
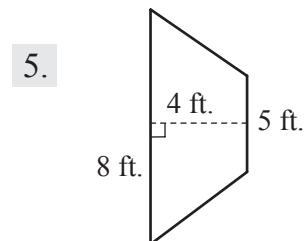
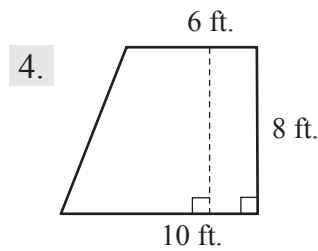
Find the following areas. If there is no figure, make a sketch.  
 Write the formula. Substitute the values. Solve the problem.



1. A Trapezoid with  
 $B = 24$  ft.  
 $b = 10$  ft.  
 $h = 5$  ft.



3. A Trapezoid with  
 $B = 60$  ft.  
 $b = 50$  ft.  
 $h = 30$  ft.



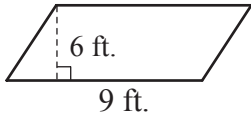
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

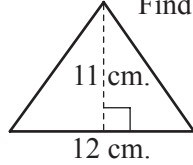
Score \_\_\_\_\_

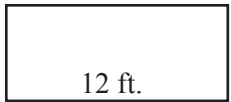
### Problem Solving


A farmer has seven sacks of seed that weigh 250 pounds each. He has one barrel of apples that weighs 755 pounds. What is the total weight of the seed and apples?


## Review Exercises

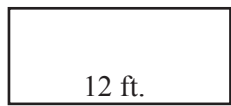
1. Find the area.  


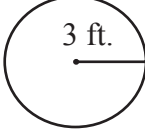
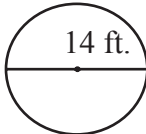
2. Find the area.  


3. Find the perimeter.  


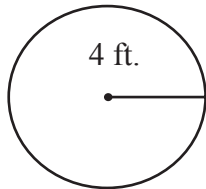
4. Find the perimeter.  


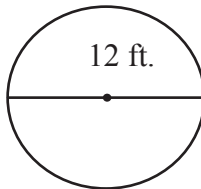
5. Find the area.  


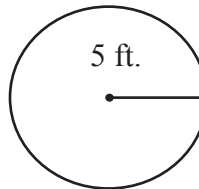
6. Find the area.  


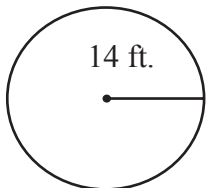
<b>Helpful Hints</b>	<p><b>Area of a Circle = <math>\pi \times \text{radius} \times \text{radius}</math></b>  <math>A = \pi \times r \times r = \pi r^2</math>                      If the radius is divisible by 7, use <math>\pi = \frac{22}{7}</math>.</p>	<p><math>A = \pi \times r \times r</math>  <math>= \frac{22}{7} \times \frac{14}{2} \times \frac{14}{2}</math>  <math>= 22 \times 7</math>  <math>= 22 \times 7</math>  <math>= 154 \text{ sq. ft.}</math></p>
	<p><b>Examples:</b></p> <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;">  <p>3 ft.</p> </div> <div style="margin-right: 10px;"> <math>A = \pi \times r \times r</math>  <math>= 3.14 \times 3 \times 3</math>  <math>= 3.14 \times 9</math> </div> <div style="text-align: center;"> <math>\times \frac{3.14}{9}</math>  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">28.26 sq. ft.</span> </div> </div>	

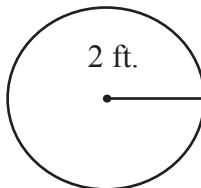
Find the area of each circle. If there is no figure, draw a sketch. (sq. ft. = ft.<sup>2</sup>)  
 Write the formula. Substitute the values. Solve the problem.

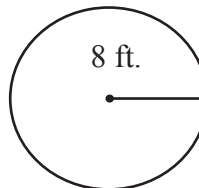
S1. 

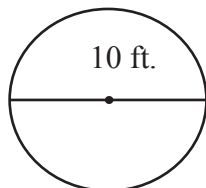
S2. 

1. 

2. 

3. 

4. 

5. 

6. A circle with a radius of 6 ft.

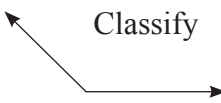
7. A circle with a diameter of 14 ft.

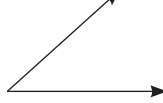
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

Score

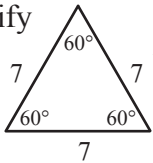
<b>Problem Solving</b>	<p>A city block is in the shape of a square. If the distance around the block is 1,280 ft., what are the lengths of each side of the block?</p>
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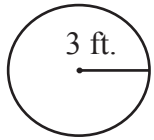
## Review Exercises

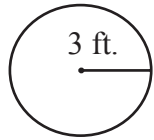
1.  Classify

2.  Classify

3. What is the supplement of  $70^\circ$ ?

4. Classify  Sides: \_\_\_\_\_  
Angles: \_\_\_\_\_

5. Find the circumference. 

6. Find the area. 

### Helpful Hints

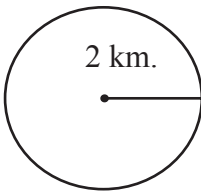
Use what you have learned to solve the following problems.

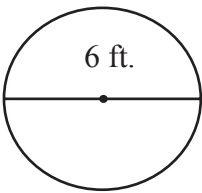
\*Remember areas are expressed in square units.

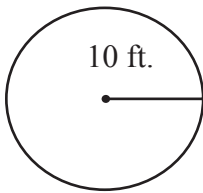
$$A = \pi \times r \times r$$

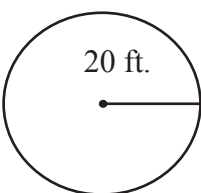
\*If the radius is divisible by 7, use  $\pi = \frac{22}{7}$ .

Find the area of each circle. If there is no figure, draw a sketch. Write the formula. Substitute the values. Solve the problem.

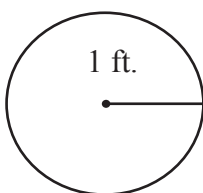
S1. 

S2. 

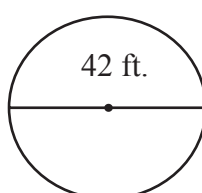
1. 

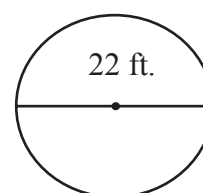
2. 

3. A circle with radius 14 ft.

4. 

5. A circle with a diameter of 18 ft.

6. 

7. 

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_

Score \_\_\_\_\_

### Problem Solving

A school has 280 boys and 320 girls. If the students are grouped into classes of 30 students each, how many classes are there?