

## Review Exercises

Note to students and teachers: This section will include daily review from all topics covered in this book. Here are some simple problems with which to get started.

$$\begin{array}{r} 1. \quad 345 \\ \quad 16 \\ + \quad 724 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 715 \\ \quad - 79 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 247 \\ \quad \times 6 \\ \hline \end{array}$$

$$4. \quad 96 + 72 + 16 =$$

$$5. \quad 800 - 216 =$$

$$6. \quad 8 \times 394 =$$

### Helpful Hints

*Geometric Term:*

*Example:*

*Symbol:*

**Point**

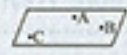
• P

P

**Line**

$\overleftrightarrow{A B}$

**Plane**

  
plane ABC

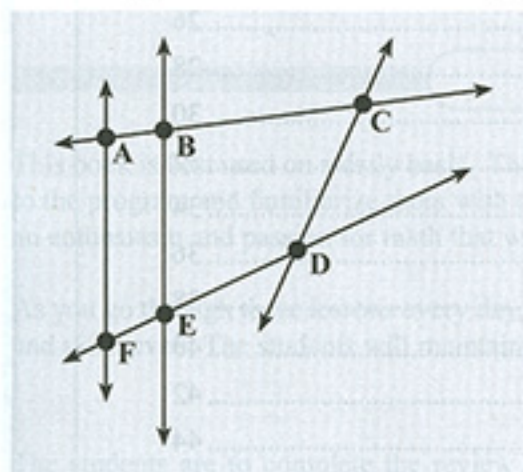
**Line Segment**

$\overline{A B}$

**Ray**

$\overrightarrow{A B}$

Use the figure to answer the following:



S1. Name 4 points

S2. Name 5 line segments

1. Name 5 lines

2. Name 5 rays

3. Name 3 points on  $\overleftrightarrow{FD}$

4. Give another name for  $\overleftrightarrow{AB}$

5. Give another name for  $\overleftrightarrow{ED}$

6. Give another name for  $\overleftrightarrow{AC}$

7. Name 2 line segments on  $\overleftrightarrow{FD}$

8. Name 2 rays on  $\overleftrightarrow{FE}$

9. Name 2 rays on  $\overleftrightarrow{AC}$

10. What point is common to lines  $\overleftrightarrow{FD}$  and  $\overleftrightarrow{BE}$ ?

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

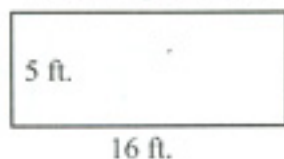
Score

### Problem Solving

Ken earned 2,500 dollars in March and 3,752 dollars in April. What were his total earnings for the two months?

## Review Exercises

1. Find the perimeter.



2. Find the perimeter.



3. Find the perimeter of a triangle with sides 17 ft., 20 ft., and 23 ft.

4. Find the perimeter of a regular octagon with sides of 12 ft.

5. What is the third angle of a triangle with angles of  $75^\circ$  and  $65^\circ$ ?

6. What angle is supplementary to  $63^\circ$ ?

### Helpful Hints

- When solving problems related to perimeter follow these directions.
1. Read the problem carefully to fully understand what is asked.
  2. Draw a sketch.
  3. Solve the problem.

- S1. Jim wants to build a fence around his yard. It is in the shape of a rectangle with a length of 32 ft. and a width of 18 ft. how many feet of fencing material does he need to buy?

- S2. Find the perimeter of a regular decagon that has sides of 52 ft.

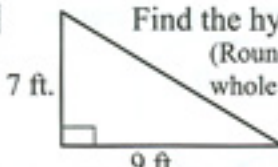
1. What is the perimeter of a square with sides of 96 ft.?
2. Jolie wants to put a wood frame around a painting that is in the shape of a rectangle. If the length is 36 inches and the width is 18 inches, how many inches of wood frame will be needed?
3. A square has a perimeter of 156 ft. What is the length of each side?
4. A banner is in the shape of an equilateral triangle. If each side is 57 inches, what is the perimeter of the banner?
5. The perimeter of a regular hexagon is 138 inches. What is the length of each side?
6. Bill's yard is in the shape of a square with sides of 15 ft. If he wants to build a fence around the yard and materials are 12 dollars per foot, how much will the fence cost?
7. An equilateral triangle has a perimeter of 291 inches. What is the length of each side?


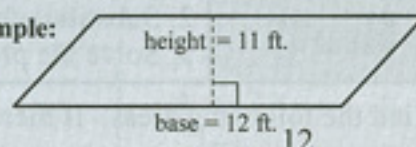
1.
2.
3.
4.
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7.
Score

### Problem Solving

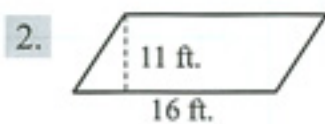
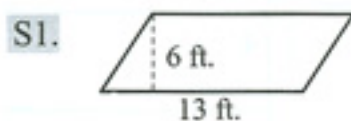
Three pounds of steak costs \$14.97. What is the cost per pound?

## Review Exercises

1. Find the perimeter of a square with sides of 17 ft.
2. Find the area of a square with sides of 17 ft.
3. Find the area of a rectangle with length 16 ft. and width 10 ft.
4. Find the perimeter of a rectangle with length 16 ft. and width 10 ft.
5.  Find the hypotenuse. (Round to the nearest whole number.)
6. Two of the angles of a triangle are  $72^\circ$  and  $58^\circ$ , what is the third angle?

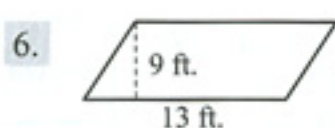
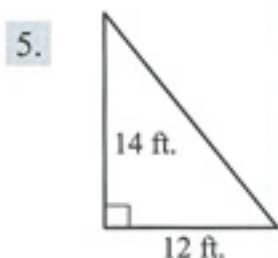
<b>Helpful Hints</b>	Area of a triangle = $\frac{\text{base} \times \text{height}}{2} = \frac{b \times h}{2}$	Area of a parallelogram = $\text{base} \times \text{height} = b \times h$
	Examples: $A = \frac{b \times h}{2}$  $A = \frac{7 \times 8}{2} = \frac{56}{2} = 28$ (28 sq. ft.)	Example:  $A = b \times h = 12 \times 11 = 132$ sq. ft.

Find the area of each of the following. Start with the formula. Substitute the values. Finally, solve the problem. If there is no diagram, make a sketch.



3. A triangle with base 5 ft. and height 7 ft.

4. A parallelogram with base 13 ft. and height 7 ft.



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

Score

<b>Problem Solving</b>	John has a monthly income of \$5,500. What is his annual income?
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