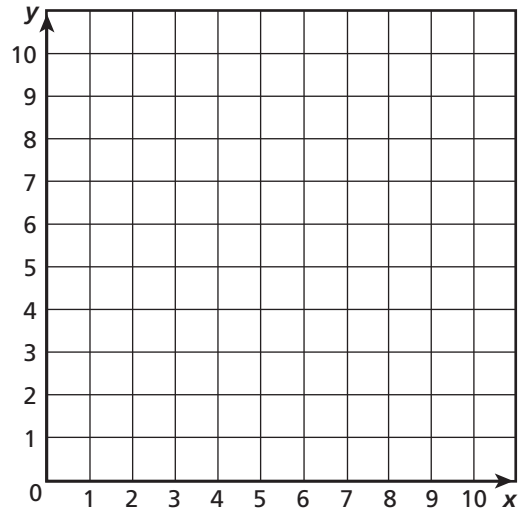
7-6 Homework

Name **Date**

The *add 3* table below shows a numerical pattern in the left column and the result of adding 3 in the right column.

add 3	
0	3
1	
2	
3	
4	

(*x*, *y*)
(____, ____)
(____, ____)
(____, ____)
(____, ____)
(____, ____)



1. Complete the *add 3* table.
2. Complete the (*x*, *y*) table.
3. Each (*x*, *y*) pair of terms represents a point. Graph and connect the points.

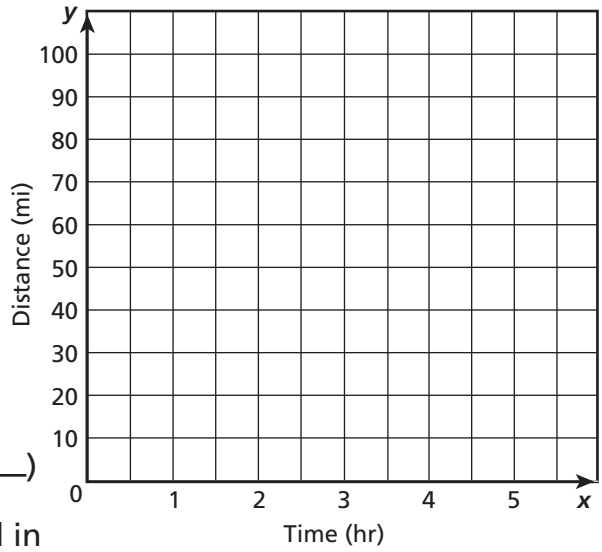
A freight train is traveling at a constant speed of 20 miles per hour.

4. Complete the table to show the distance the train will travel in 0, 1, 2, and 3 hours.

Time (hr)	0	1	2	3
Distance (mi)		20		

5. Write the ordered (*x*, *y*) pairs the data represent. Then graph and connect the points and extend the line.

(____, ____) (____, ____) (____, ____) (____, ____)



6. How far would you expect the train to travel in $2\frac{1}{2}$ hours? Explain your answer.

_____

_____

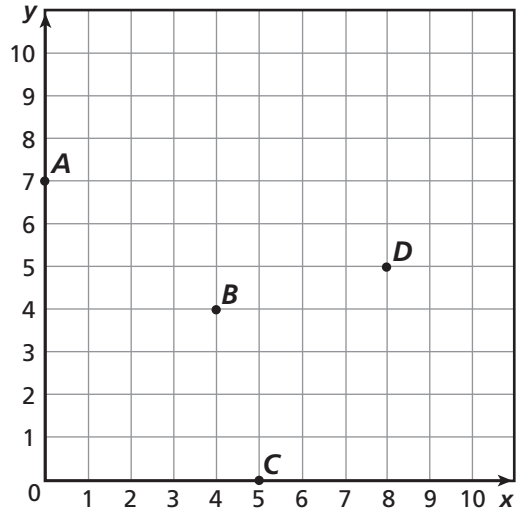
7-6 Remembering

Name _____ Date _____

Multiply.

1. $\begin{array}{r} 76 \\ \times\ 4 \\ \hline \end{array}$
2. $\begin{array}{r} 199 \\ \times\ 6 \\ \hline \end{array}$
3. $\begin{array}{r} 7{,}907 \\ \times\ 2 \\ \hline \end{array}$
4. $\begin{array}{r} 98 \\ \times\ 78 \\ \hline \end{array}$

Use the coordinate plane below to answer the questions.



Write an ordered pair to represent the location of each point.

5. point *A* _____
6. point *B* _____
7. point *C* _____
8. point *D* _____

9. **Stretch Your Thinking** Give the ordered pair for a point *E* so that when the points *B*, *D*, *E*, and *C* are connected (in that order), a square is formed. Then, find the area of square *BDEC*.

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