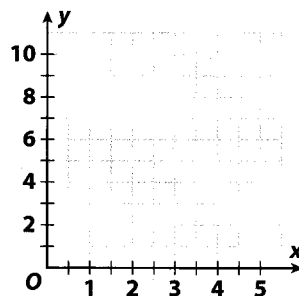


YOUR TURN

5. Graph $y = x + 2.5$.

x	$x + 2.5 = y$	(x, y)



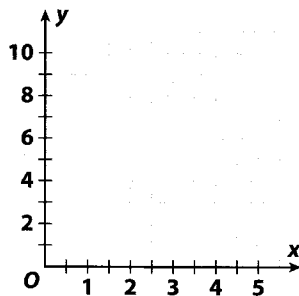
Guided Practice

HW # 49 1-10

Frank mows lawns in the summer to earn extra money. He can mow 3 lawns every hour he works. (Explore Activity 1 and Explore Activity 2)

1. Make a table to show the relationship between the number of hours Frank works, x , and the number of lawns he mows, y . Graph the relationship and write an equation. Label the axes of your graph.

Hours worked	Lawns mowed
0	
1	

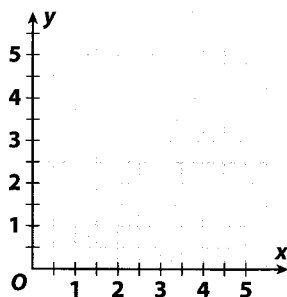


Graph $y = 1.5x$. (Example 1)

2. Make a table to show the relationship.

x				
y				

3. Plot the points and draw a line through them.




ESSENTIAL QUESTION CHECK-IN

4. Why might you use an equation instead of a table to represent an algebraic relationship?

12.4 Independent Practice

CA CC 6.EE.9



Personal Math Trainer

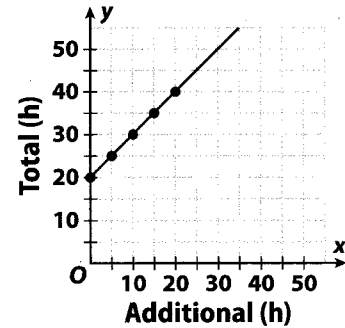
Online Practice and Help

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Students at Mills Middle School are required to work a certain number of community service hours. The table shows the numbers of additional hours several students worked beyond their required hours, as well as the total numbers of hours worked.

5. Read the ordered pairs from the graph to make a table.

Additional hours						
Total hours						



6. Write an equation that expresses the total hours in terms of the additional hours. Use an inequality to describe possible values of y .

7. **Analyze Relationships** How many community service hours are students required to work? Explain.

On a map, x represents a distance in centimeters. To find an actual distance y in kilometers, Beth uses the equation $y = 8x$.

8. Make a table comparing a distance on the map to the actual distance.

Map distance (cm)						
Actual distance (km)						

9. Make a graph that compares the map distance to the actual distance. Label the axes of the graph.

10. **Critical Thinking** The actual distance between Town A and Town B is 64 kilometers.

- a. Use the equation to find the distance on Beth's map.

- b. For what values of y can you use the graph to find the distance on Beth's map?

