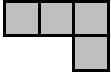
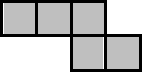
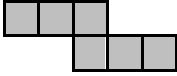


## 6-7 QUIZ A

1. Square tiles are placed in a pattern below.

Step 1	Step 2	Step 3	Step 4
			

- a. Draw step 4.

- b. Complete the table.

Step # ( $x$ )	1	2	3	4	5
# of squares ( $y$ )					

- c. Write a rule for the pattern (an input-output equation in  $x$  and  $y$ ).

- d. How many square tiles are in step 50?

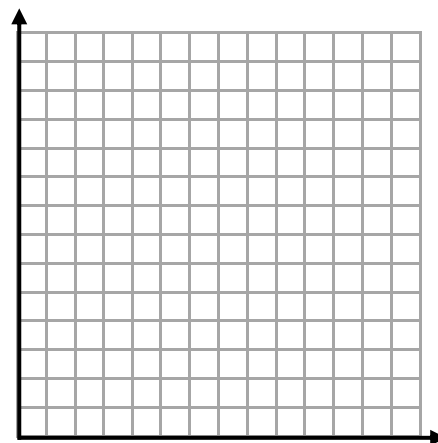
2. Gloria is riding her electric scooter. She rides it at a constant rate for 4 hours and travels 64 kilometers.

- a. Complete the table.

Time in hours ( $x$ )	4	2	1	3		
Distance in kilometers ( $y$ )					8	24

- b. Write an equation that relates distance and time.

- c. Draw a graph to represent the data. Be sure to label the graph and scale axes.



## 6-7 QUIZ A

### Continued

3. Two music companies stream music at different price rates.

Music Mania  
4 songs for \$6

Streaming Songs Inc.  
8 songs for \$10

- a. Complete the table for each.

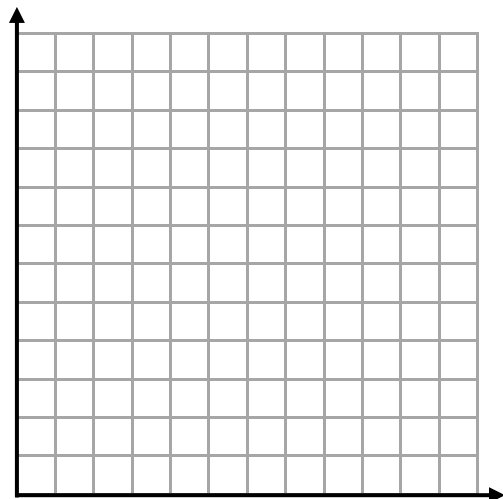
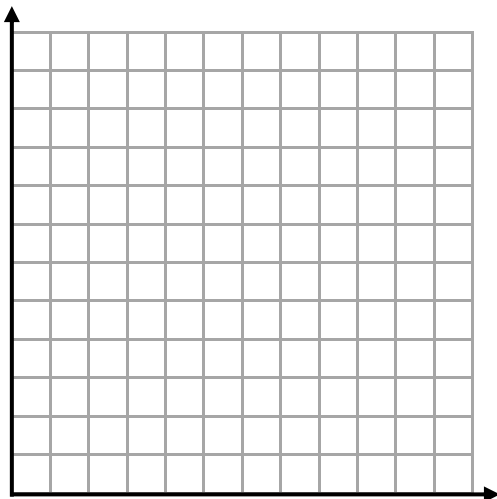
Music Mania	
Quantity (x)	Cost in \$ (y)
4	
8	
1	
2	
3	

Streaming Songs Inc.	
Quantity (x)	Cost in \$ (y)
8	
4	
1	
2	
3	

- b. Write an input-output rule for each.

Music Mania: \_\_\_\_\_ Streaming Songs Inc: \_\_\_\_\_

- c. Complete a graph for each, including a title and labels.



- d. Which company has a lower unit price? Explain.