

Name:

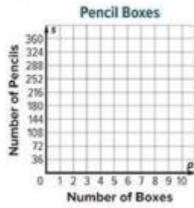
Class:

Date:

## Lesson 7.3 Graphs of Relationships

1. The equation  $p = 144b$  represents the number of pencils  $p$  in  $b$  boxes. Graph the relationship on the coordinate plane.

(Example 1)



Input (b) No. of Boxes	Rule $P = 144b$	Output (p) No. of Pencils
0		
3		
5		
7		

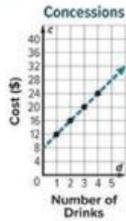
2. The equation  $c = 2b + 6$  represents the total cost  $c$  of  $b$  sets of beads and one necklace string. Graph the relationship on the coordinate plane.



Input (b) No. of Beads	Rule $C = 2b + 6$	Output (c) Cost
0		
1		
3		
6		

3. The graph shows the total cost  $c$  of buying one large bucket of popcorn and  $d$  large drinks. Write an equation from the graph that could be used to find the total cost  $c$  if you buy one large bucket of popcorn and  $d$  large drinks.

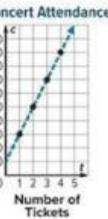
(Example 2)



$C =$

Input (d) No. of drinks	Output (C) Cost
0	
1	
2	
3	
4	

4. **Open Response** The graph shows the total cost  $c$  of buying one parking pass and  $t$  tickets to a concert. Write an equation from the graph that could be used to find the total cost  $c$  if you buy one parking pass and  $t$  tickets to a concert.



$C =$

Input (t) No. of tickets	Output (C) Cost
0	
1	
2	
3	
4	