Rates - Day 4	Name	
Assignment	Date	Period

The students in Ms. Algebra's class decide to order t-shirts that advertise the walkathon. John obtains two different guotes for the cost of the shirts.

One Size Fits All charges \$4 per shirt. You Draw It / We Print It charges \$75 plus \$3 per shirt.

For each company, write an equation John could use to calculate the cost for any number 1. of t-shirts.

One Size Fits All _____ You Draw / We Print _____

Complete the table for both companies. Then on the same set of axes, graph both 2. companies. Use a different color for each graph.

Number	One Size	You Draw
of Shirts	Fits All	It
0		
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		

- Which company do you think the class should buy shirts from? What factors influenced 3. your decision?
- 4. For what number of t-shirts is the cost the same for both companies? Explain how you got your answer.

Rates - Day	4
Assignment	

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5. Generate a table and a graph for y = 5x - 2. How is the graph of this equation different from the other graphs you made?

			1						
				_			 	-	
			.2						
			2						
			0		2	2			
			0		2	2			
			0		2	2			
			0			2			
			0			2			
			0			2			

6. Generate a table and a graph of y = -2x + 3. How is the graph different from the other graphs you made?

×	у
-2	
-1	
0	
1	
2	

7. Generate a table and write an equation for the graph below. How is this graph different from the other graphs you made?

×	у
-2	
-1	
0	
1	
2	

