

You are buying pizzas for your/your friends' quinceanera! Pizza Hut has a special where each pizza is \$8, but they have a one-time catering charge of \$80. Papa John's costs \$12 for each pizza, and \$30 for catering. Domino's is \$20 per pizza, but catering is free!

1. How many people would you plan to invite to the quinceanera? _____
2. How many pizzas do you need to order to feed your guests? _____
3. Complete the chart for the three pizza companies.

	Slope	Intercept
Papa John's		
Pizza Hut		
Domino's		

4. Complete the table for the cost of each pizza company (no calculators):

# pizzas	Pizza Hut	Papa John's	Domino's
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

5. For each number of pizzas, underline the company which is cheapest.
6. Graph the number of pizzas vs. the cost of the pizzas for all three companies on the back of your paper.
7. Write a note to your parents trying to convince them which pizza company is the least expensive, depending on the number of pizzas you plan to buy. *You must use the word 'between'.*
