Which Sweatshirt Company is Cheaper?   Name_____

Situation and Data: Date_____Assignment # 1

Suppose you are on the fundraising committee for the Student Council. Your committee is planning to sell sweatshirts with the school emblem to raise money for the upcoming dance. Your committee received bids from two companies.

SWEAT T's charges $250 plus $5.00 per sweatshirt
TEES AND MORE charges $10 per sweatshirt

1) Your committee must prepare a presentation to the entire Student Council, recommending which company the school should use based on cost alone. The Student Council will select the cheapest company.

a) How much would it cost to buy 30 sweatshirts from SWEAT T's?	c) How much would it cost to by 100 sweatshirts from SWEAT T's?
b) How much would it cost to by 30 sweatshirts from TEES AND MORE?	d) How much would it cost to by 100 sweatshirts from TEES AND MORE?

2) Use the table below to compare the costs of the two companies and to determine how many sweatshirts should be ordered to give equal costs for both companies.
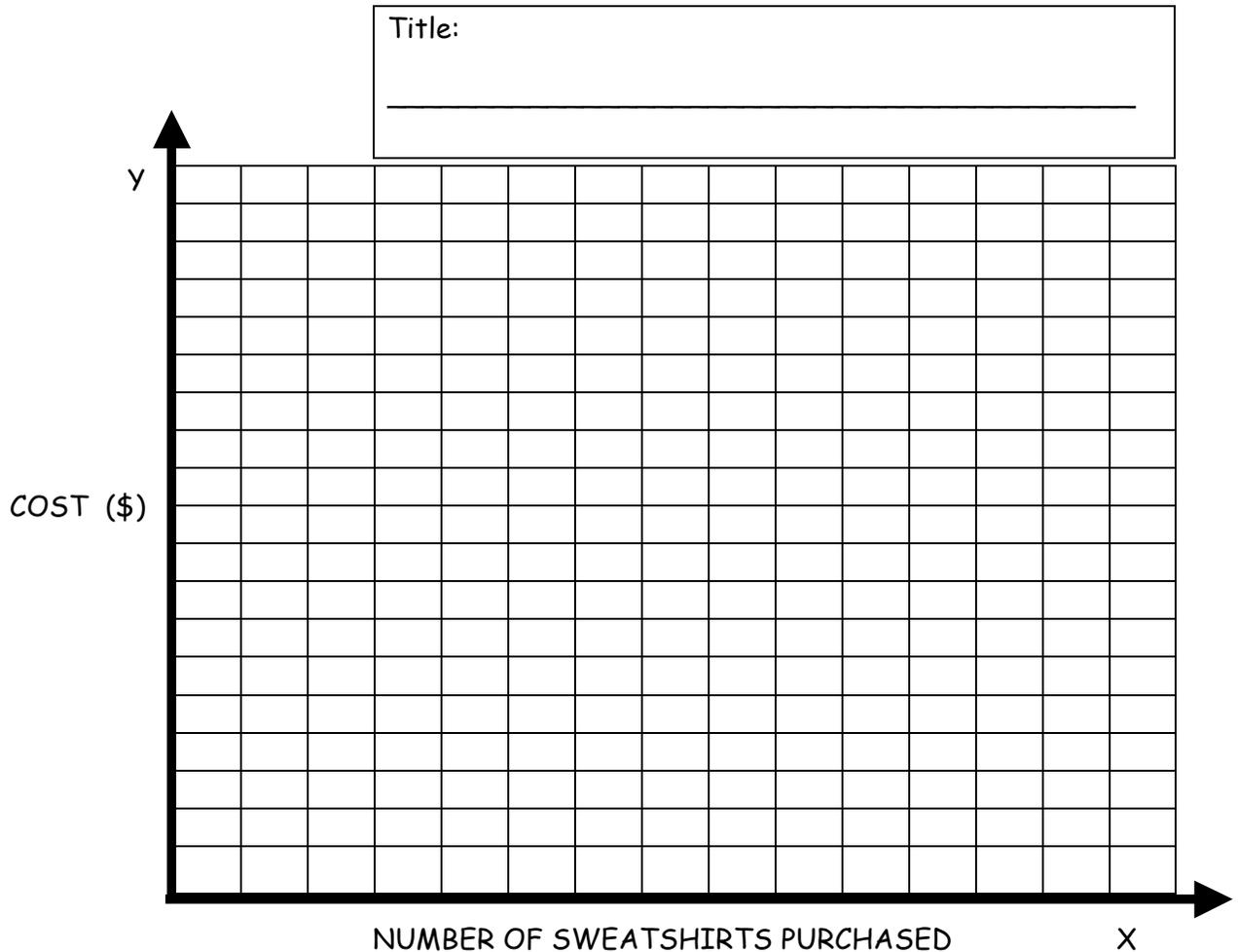
Guess # of sweatshirts	Cost SWEAT T's	Cost TEES AND MORE	Same (?)
30			
100			

3) Find the cost if X sweatshirts were purchased.

X			

4) Make a complete graph that will help compare costs to purchase different quantities of sweatshirts from the two companies. Complete the legend so your graph is easy to read. The x-axis should go from 0-100 sweatshirts and the y-axis should go from $0 - $1,000.

(Use different styled lines for each company.)

Title:

_____

Y

COST ($)

NUMBER OF SWEATSHIRTS PURCHASED

X

5)   Based on your graph, when dose SWEAT T's cost less?

6)   Based on you graph, when is TEES AND MORE a better deal?

7)   How many sweatshirts can be sold and have both companies cost the same amount?

8)   Write a recommendation for which company to use: (Make sure you give your reasoning.)