Name:	ame: Ked		
Date:	7	Period:	_

live each system of equations using either substitution, elimination or graphing.

1.
$$2x + y = 10$$

y = 3x - 5

Substitution

$$2x + (3x - 5) = 10$$

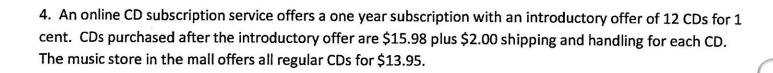
Y=3(3)-5

2.
$$x + y = 3$$

$$3. \ 2x + 3y = 47$$

$$- x + 3y = 40$$

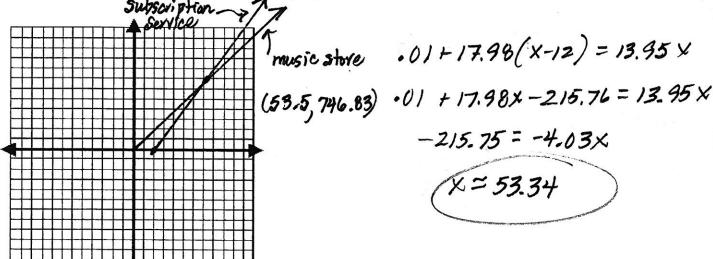
Elimination



a. Write equations modeling the cost of buying CDs from the subscription service and the music store in the mall.

Subscription Service: C = .01 + 17.98(x-12)Music Store: C = .13.95x X = # OF C.U.'s purchased C = Cost of buying CU's

b. Create a graph summarizing the cost of buying CDs.



c. Will the cost of buying CDs ever be the same? If so, determine the number of CDs you can buy and the cost.

If I buy between 53:54 C.d.'s, the cost will be approximately \$ 746.83 from both subscription is store.

d. Based on your findings, would you buy your CDs from the subscription service or the music store? Explain.

(Sample) If I buy less than 53 cd's I would choose subscription service. I usually buy very few cd's so I would go with subscription service