**Name: Period: Job 13 Solving Systems By Elimination**

**Part 1: Textbook**

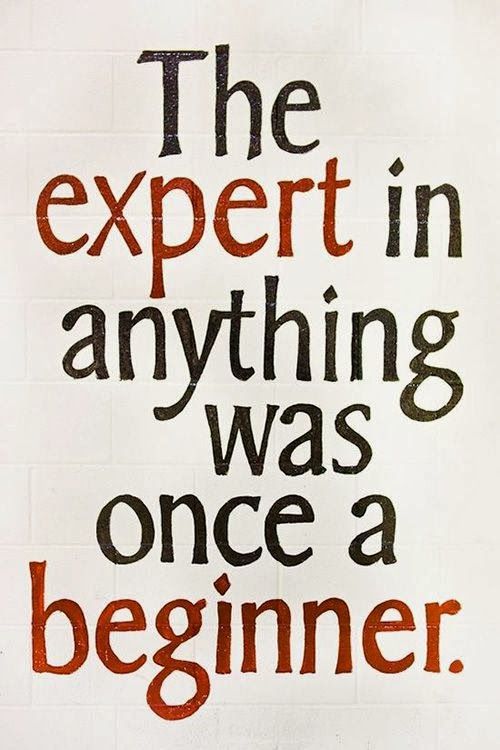
Textbook Lesson 4-3 Pages 162-163: 15, 16, 20, 21, 23, 24, 34

**Part 2: Algebra Regents Questions –**

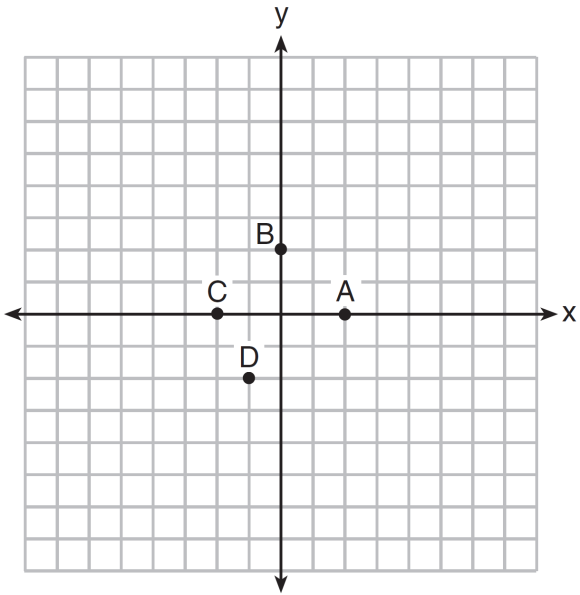
1. Sandy programmed a website’s checkout process with an equation to calculate the amount customers will be charged when they download songs.

The website offers a discount. If one song is bought at the full price of $1.29, then each additional song is $.99. State an equation that represents the cost, , when songs are downloaded.

Sandy figured she would be charged $52.77 for 52 songs. Is this the correct amount? Justify your answer.



**2.** The graph of is shown below.



Which point could be used to find ?

(1) *A* (3) *C*

(2) *B* (4) *D*

**3.** The function *f* has a domain of and a range of .

Could be represented by ?

Justify your answer.

**4.** Which system of equations has the same solution as the system below?

(1) (3)

(2) (4)

**5.** Last week, a candle store received $355.60 for selling 20 candles. Small candles sell for $10.98 and large candles sell for$27.98. How many large candles did the store sell?

(1) (3)

(2) (4)

6. Determine the smallest integer that makes true.