## Warm Up: Alg 2 10/1

Take out the practice work from last night.

Rabbit, Rabbit, Rabbit

Feb 27-7:39 AM

## Solutions to P.W.: Alg 2

Went over student questions in class.

Dec 31-10:07 PM

## W.A.L.T.:

Write an equation to represent the relationship between two quantities.

## W.A.S.I:

We can use the provided information to make sense out of the situation and create an equation.

Mar 7-9:45 AM

## In Class Work: Read pg. 17

Roy recently won a trivia contest. The prize was a five-day trip to New York City, including a round-trip airplane ticket and $3000 in cash. The money will pay the cost of a hotel room, meals, entertainment, and incidentals. To prepare for his trip, Roy gathered this information.

- A hotel room in New York City costs $310 per night, and the trip includes staying five nights.
- A taxi between New York City and LaGuardia Airport will cost $45 each way.

Roy must set aside the cash required to pay for his hotel room and for taxi service to and from the airport. Once he has done this, Roy can begin to make plans to enjoy the city with his remaining prize funds.

Mar 7-1:33 PM

## In Class Work: Read pg. 17 do #1

1. **Reason quantitatively.** How much money will Roy have available to spend on performances, meals, and any other expenses that might arise after paying for his hotel and taxis? Show your work.

$1360

Mar 7-1:33 PM

## In Class Work: Read pg. 17

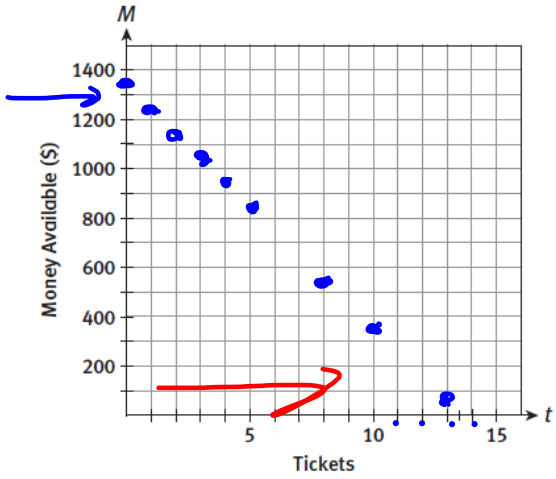
During his trip to New York City, Roy wants to spend *only* his winnings from the contest. He wants to focus on two of his favorite pastimes: attending theater or musical performances and dining in restaurants. After surfing the web, Roy determines the following facts:

- On average, a ticket for a performance in New York City costs $100.
- He will spend on average $40 per meal.

Mar 7-1:33 PM

# In Class Work: pg. 18 #2

| Tickets ($t$) | Money Available ($M$) |
|---|---|
| 0 | 1360 |
| 1 | 1260 |
| 2 | 1160 |
| 3 | 1060 |
| 4 | 960 |
| 5 | 860 |
| 8 | 560 |
| 10 | 360 |
| 13 | 60 |




Mar 7-1:33 PM

# In Class Work: pg. 18 - 19 #3 - 6

Money = Got some $ −$100 each ticket

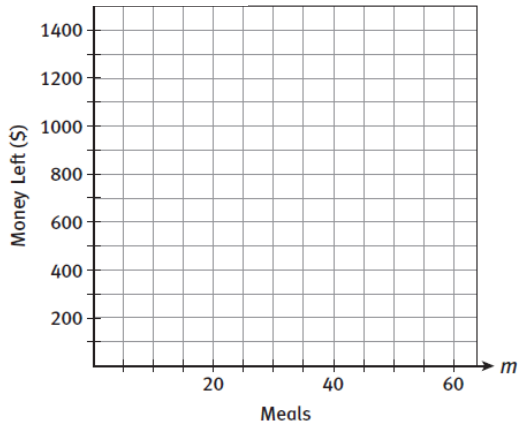
$M(t) = 1360 - 100t$

Mar 7-1:33 PM

# In Class Work: pg. 19 #7

**7.** Roy wonders how his meal costs will affect his spending money.

**a.** Write a function $D(m)$ that represents the amount of money Roy has left after purchasing $m$ number of meals.




Mar 7-1:33 PM

# In Class Work: pg. 19 #8 - 10

Mar 7-1:33 PM

Today's Activities:

- Activity 2 - 1 #1 - 10

P.W. for tonight:

- pg. 20 #11 - 14, 18, 19

Day 4

Dec 31-9:59 PM