May 21, 2020 RABBI ISRALEWITZ

ALGEBRA I

Hello everyone and welcome to our 4th class reunion.

Many of you have been submitting outstanding work, week after week. But a very special SHOUT OUT goes to our two special Yosef's:
Yosef Borukhov and Yosef Binyaminov, as well as Elimelech Feinstein and our Math Scholar-in-Residence, Chananya Matyas.

IMPORTANT REMINDERS:

1. When answering multiple choice questions, you must indicate in detail how you arrived at your answers.

2. **Please make sure that each and every page submitted has:**
   a) your full name
   b) your class
   c) the date of the assignment.

3. Please remember to call in on our conference line 917-932-8638 on Thursday, 3:45-4:05 PM. And, as always, if you have additional questions, feel free to call me between 4:00-10:00 PM at 718-404-8422.

4. Work may be returned in via any of the following:

   Email mathi.mirrer@gmail.com
   Fax 718 375 6342
   Mail Mirrer Mesivta High School 1791-5 Ocean Parkway Brooklyn NY 11223

   Please indicate how you would like your work to be returned.

Keep up the great work!

Our assignment for this week is:
January 2015 – problems #13 and 33
June 2015 – problem #6

NAME_____

JANUARY 2015

13 Connor wants to attend the town carnival. The price of admission to the carnival is \$4.50, and each ride costs an additional 79 cents. If he can spend at most \$16.00 at the carnival, which inequality can be used to solve for r, the number of rides Connor can go on, and what is the maximum number of rides he can go on?

(1) $0.79 + 4.50r \leq 16.00$; 3 rides

(2) $0.79 + 4.50r \leq 16.00$; 4 rides

(3) $4.50 + 0.79r \leq 16.00$; 14 rides

(4) $4.50 + 0.79r \leq 16.00$; 15 rides

33 Jacob and Zachary go to the movie theater and purchase refreshments for their friends. Jacob spends a total of \$18.25 on two bags of popcorn and three drinks. Zachary spends a total of \$27.50 for four bags of popcorn and two drinks.

Write a system of equations that can be used to find the price of one bag of popcorn and the price of one drink.

Using these equations, determine and state the price of a bag of popcorn and the price of a drink, to the *nearest cent*.

NAME_____

JUNE 2015

6 Mo's farm stand sold a total of 165 pounds of apples and peaches. She sold apples for $1.75 per pound and peaches for $2.50 per pound. If she made $337.50, how many pounds of peaches did she sell?

(1) 11
(2) 18
(3) 65
(4) 100