

Hello, everyone and welcome again to our weekly “class reunion.”

It was very encouraging to see the thorough, complete responses to your Math homework.

It was great hearing from Yehoshua, Yitzchok, Sruli and Yosef among others. However, a very, very special “SHOUT OUT” goes to Chananya. Chananya, you don’t realize how great you made me feel when you called in on our conference line and you said those two “magic” words: “WHICH MODE?” That made it all worth it! THANKS, CHANANYA.

Our work for this week will be:

August 2017 Regents – Questions 9, 12, and 28 pages 43 and 46 in Booklet 7

**PLEASE REMEMBER THAT WHEN DOING MULTIPLE CHOICE PROBLEMS, YOU MUST REMEMBER TO GIVE A COMPLETE EXPLANATION OF YOUR CHOICE, NOT JUST CIRCLING AN ANSWER.**

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.

Please remember to submit all work in a timely manner similar to last week’s.

Work may be returned in via any of the following:

Email [mathi.mirrer@gmail.com](mailto: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.

I cannot emphasize enough the importance of doing your homework in a timely manner.

Everything will be graded, and will count toward your final grade. Even more importantly, it will be kept on file for the State of NY in place of your Regents exam and as a proof that you fulfilled your class requirements.

Please remember, as per Common Core requirements, all alternate solutions are fully acceptable if properly and fully documented.

Looking forward to a successful conclusion to our school year. Keep up the great work. You guys are really wonderful.

Rabbi E. Isralewitz

**AUGUST 2017**

- 9** A plumber has a set fee for a house call and charges by the hour for repairs. The total cost of her services can be modeled by  $c(t) = 125t + 95$ .

Which statements about this function are true?

- I. A house call fee costs \$95.
- II. The plumber charges \$125 per hour.
- III. The number of hours the job takes is represented by  $t$ .

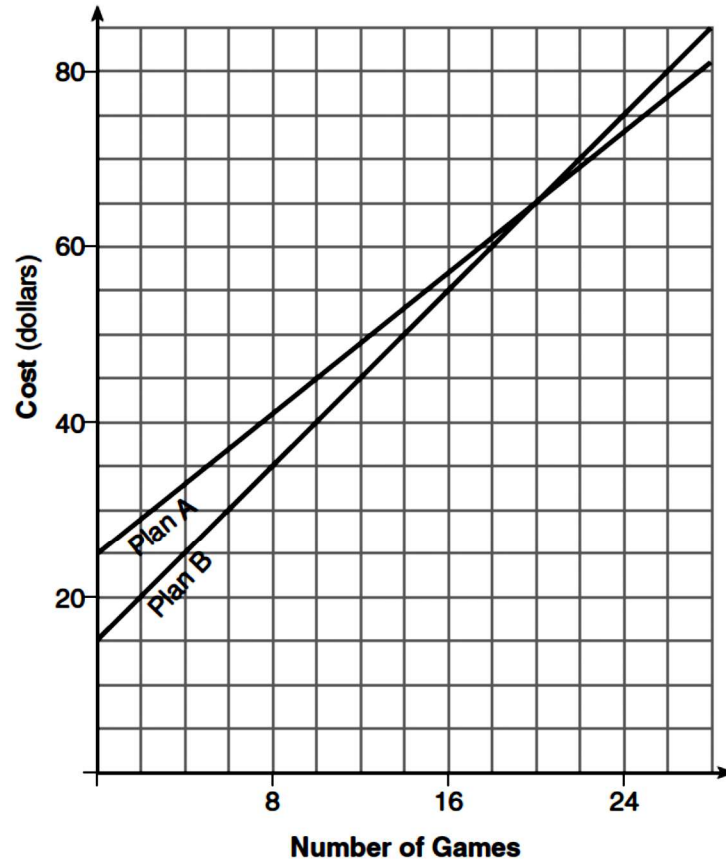
- (1) I and II, only
- (2) I and III, only
- (3) II and III, only
- (4) I, II, and III

- 12** Konnor wants to burn 250 Calories while exercising for 45 minutes at the gym. On the treadmill, he can burn 6 Cal/min. On the stationary bike, he can burn 5 Cal/min.

If  $t$  represents the number of minutes on the treadmill and  $b$  represents the number of minutes on the stationary bike, which expression represents the number of Calories that Konnor can burn on the stationary bike?

- (1)  $b$
- (2)  $5b$
- (3)  $45 - b$
- (4)  $250 - 5b$

28 The graph below models the cost of renting video games with a membership in Plan A and Plan B.



Explain why Plan B is the better choice for Dylan if he only has \$50 to spend on video games, including a membership fee.

Bobby wants to spend \$65 on video games, including a membership fee. Which plan should he choose? Explain your answer.