Problem of the Week

Math Tutoring Center
Renton Technical College

WIN $5.00 IN "BAKERY BUCKS"

Submit the correct answer to the following Problem of the Week before next Monday (03/14/11) at 6 PM and you will be eligible to win $5.00 in "Bakery Bucks".

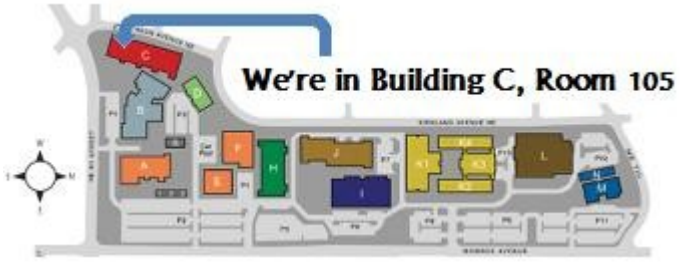
Problem of the Week:

Bob owns a car that gets 20mpg. He drives 30 miles from his house to work 5 days per week. Bob has been thinking about buying a new car that gets better gas mileage to save some money since the price of gas keeps going up. The car Bob has been looking at gets 41mpg, but he is going to have to buy it on credit and the monthly car payment is going to be $236 per month. Bob is trying to figure out if it is worth buying the new car to "save" money. Since Bob owns his current car he is not making any monthly payments on it.

What does the price of gas have to be for Bob to start "saving" money by purchasing the new car that gets 41 mpg if he is only considering how much he spends on gas and his monthly car payment? Assume there are 4 weeks in a month.

Here are the rules for submitting answers to the problem of the week and the prizes with winning:

- Any RTC student or employee can submit an answer.
- Answers must be submitted in writing, on a piece of paper, in person at the Math Tutoring Center no later than 6 PM on Monday (03/14/11) **(NO email submissions will be accepted**).
- Please include your name, phone number or email address on your submission so that you can be contacted if you are the winner.
- The winner will be notified by email or phone.
- All "Bakery Bucks" not claimed within one week will be forfeited.
- "Bakery Bucks" can only be used at the RTC Bakery.
- No change will be given on any purchases paid for with "Bakery Bucks"
- Any part of a purchase that exceeds the amount of the "Bakery Bucks" is the responsibility of the purchaser.



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