

These questions are due by the end of the week. 10/10 points towards your assessment grade if you get them all right and have the math work on paper to back up your work.

You will receive zero points and fail the assignment if you are asked for your work on paper and can not produce that effort. Missing some part of the assignment will cause a loss of that percent of the overall assignment.

These weekly problems cannot be attempted a second time and the work must be turned in on time, not later in the day, not during remediation, and not the next day.

You should work on these problems throughout the week and use down time in class to work with your teams on the solution to these problems.

1.

Standard A1.1.2.1.1

Jenny has a job that pays her \$8 per hour plus tips (t). Jenny worked for 4 hours on Monday and made \$65 in all. Which equation could be used to find t , the amount Jenny made in tips?

- A. $65 = 4t + 8$
- B. $65 = 8t \div 4$
- C. $65 = 8t + 4$
- D. $65 = 8(4) + t$

2.

Standard A1.1.2.1.3

Francisco purchased x hot dogs and y hamburgers at a baseball game. He spent a total of \$10. The equation below describes the relationship between the number of hot dogs and the number of hamburgers purchased.

$$3x + 4y = 10$$

The ordered pair $(2, 1)$ is a solution of the equation. What does the solution $(2, 1)$ represent?

- A. Hamburgers cost 2 times as much as hot dogs.
- B. Francisco purchased 2 hot dogs and 1 hamburger.
- C. Hot dogs cost \$2 each, and hamburgers cost \$1 each.
- D. Francisco spent \$2 on hot dogs and \$1 on hamburgers.

3. Mr. Lloyd's weight went from 177 lbs to 159 lbs after a 6 month diet and exercise regimen. His friend Ted Braudigan started at 221 lbs and over the course of the same 6 months, lost 18 pounds as well. Explain using percent of change (with calculations to back up your answer) why Mr. Lloyd felt that he was a 'bigger loser' than his friend Ted.

4. Marcia buys a dress that is on sale for 15% off its original price. She uses a store coupon to obtain an additional 10% off the sale price. Marcia pays \$91.80 for the dress. What was the original price of the dress?