Quiz 1 - Answers

1. How many points is this quiz worth?

   Answer. This quiz, like all other quizzes, is worth 10 points. □

2. List three places you can go to get help on the course material.

   Answer. Broward teaching center offers free tutoring, as well as the OAS office. Also, my office hours (and Karly's, and Mrs. Smith's) are great places to bring questions. □

3. If you get perfect scores on all of the homework, quizzes, participation and exams, what score do you need on the final to get an A?

   Answer. The total number of possible points add up to 560, and the final is worth 100. So getting perfect scores on everything besides the final will give you 460 points. You need 504 points to get an A, which means you need at least 44 points on the final. □

4. Simplify! Give your answer in lowest terms

   a) $0.014 \div 0.168$

   Answer. There are two main ways of working this problem out. First, you can avoid long division altogether by treating it as a fraction. This gives

   $$0.014 \div 0.168 = \frac{0.014}{0.168} = \frac{14}{168}$$

   (by moving the decimal 3 places on both top and bottom). Then this simplifies to $\frac{7}{84}$.

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Otherwise, you can work out the long division, first changing it to $14 \div 168$ by moving the decimal points three places to the right.

$$
\begin{array}{r}
0.833\,(answer) \\
168\,\overline{)\,14.000} \\
\underline{1344} \\
560 \\
\underline{504} \\
56\ldots
\end{array}
$$

□

b) $.04 \times 2.5$

Answer. For multiplication, we just pretend the decimal points aren't there, then add them back at the end. So first we multiply 4 and 25 to get 100. Then, we count how many decimal points were in the original expression. We find 2 in the first and 1 in the second, so we take our answer and move the decimal point 3 spaces to the left to get 0.1 as our answer. □