Simplify all answers and show your work! Solutions having an answer only or where the work does not match up with the answer will be marked wrong. This is not a test of your ability to guess. Calculators are not allowed on this portion of the test. When you are finished, get part b of the test.

1) Multiply: \[
\begin{array}{c}
1.3 \quad \text{place(s)} \\
\times 4.2 \quad \text{place(s)}
\end{array}
\]

2) Divide: \[
\frac{4.48}{3.2}
\]

3) Write as a decimal: \[
\frac{3}{8}
\]

4) Write in order from smallest to largest: 0.645, 0.654, 0.665, 0.646, 0.656

5) Simplify: \[1.2 \div 0.3 + 8.94 - 2.1^2\]

Write the following ratios in lowest terms.

6) $4.50 to $2.25

7) 3 to 3.9

8) Determine whether the proportion is true or false:

\[
\frac{1.4}{2.1} = \frac{6.4}{8.1}
\]

9) Sam has $1546.32 in his checking account. He writes checks for $342.51 for his car, $550 for his rent, $142.32 for the electricity, and $35.42 for the water. How much does he have left after these checks clear?

10) A large bottle contains 5.5 quarts of water. If it is to be divided into smaller bottles holding 0.25 quarts of water each, how many smaller bottles can be filled with the contents of the large bottle?

11) C.J. made 85, 93, 78, and 94 on her four math tests. What is her average? (Round to the nearest whole.)