

**Family and Consumer Studies 3450: Family Economic Issues
Background Quiz**

Because FCS3450 has a Quantitative Intensive (QI) designation, it is expected that students taking this class has some level of mathematics background. This background quiz is designed to help you check if you will feel comfortable with the math involved in this class. If you don't feel very comfortable with questions in this quiz, you need to refresh your high school math before you proceed with this class.

1. Convert the following to percentage numbers:

0.07

1.25

0.20

2. Convert the following to decimal point numbers:

50%

0.6%

112%

3. Compute the following:

$$\frac{1 - \left(\frac{1}{1 + 0.5\%} \right)^{12}}{0.5\%}$$

4. Solve for x:

$$(1+x)^3 = 27$$

Note: Answers to these questions is contained in a separate document.