Chapter 3 Test Review Worksheet #1

1. Use a visual representation (such as a Venn Diagram or Generic Rectangle) to mathematical prove the GCF of 36 & 56

2. Add the following. Thoroughly show your work.

\[
\frac{5}{9} + \frac{4}{7}
\]

3. Subtract the following. Thoroughly show your work

\[
\frac{5}{6} - \frac{2}{15}
\]

4. Use a generic rectangle to visually show how 4(239) can be distributed.

Using the visual representation from above show two numerical expressions you can use to show the distribution of the “4.”.

Write one expression as an addition problem (show the distribution in expanded form).

The other expression as a multiplication problem (show the distribution in factor form).

Both of the ways you showed the distribution of “6” above should be equal. Below mathematically prove why by writing an equation showing the two expressions you created above are equal.