

This assignment is broken up into 3 sections: **Mild**, **Medium**, and **Spicy**. Everybody has to do the Medium section, and one other section, but you get to choose the other section you'd like to work on. You can start with Mild and work up through Medium, or you can start with Medium and work up through Spicy.

Simplify the following using prime factorization. Box your final answer for each question.

 **Mild** 

1. $\frac{3}{9}$

2. $\frac{2}{8}$

3. $\frac{4}{6}$

4. $\frac{9}{12}$

5. $\frac{12}{14}$

 **Medium** 

1. $\frac{8}{18}$

2. $\frac{6}{36}$

3. $\frac{21}{56}$

4. $\frac{15}{36}$

5. $\frac{10}{45}$



1. $\frac{24}{96}$

2. $\frac{56}{108}$

3. $\frac{60}{85}$

4. $\frac{48}{144}$

5. $\frac{32}{256}$