IF you choose to complete this assignment, you can give it to me in person at your Final Exam, put it in my physical mailbox, or scan and upload it to a special D2L DropBox. Do NOT email it to me, as my InBox tends to blow up during Finals Week, and I don't want anything to get lost. If you do not choose to complete it, D2L will show a 0 , but that can't hurt you so long as you are already content with your BEST 8 WAs for the semester.

As always, each WA is worth 10 points total. Work right on these pages. You can work together or see a tutor, but NEVER copy. This WA is for a grade, so dishonesty or cutting corners may earn a 0 for all involved.

URLs listed below will also be posted on our course web page.

1. [1.5 pts] Clearly state what the concept of denseness means in the setting of fractions.
2. [1.5 pts] Illustrate correct mediant notation to demonstrate a fraction that is between $\frac{5}{6}$ and $\frac{50}{61}$.
3. [1 pt] Use your choice of meaningful technique to clearly demonstrate that your mediant above truly is larger than the smaller of $\frac{5}{6}$ and $\frac{50}{61}$.
4. [2 pts] Show clear, thorough steps in multiplying the fraction product below, including the intermediate step shown in the video at https://www.youtube.com/watch?v=qmfXyR7Z6Lk . Then reduce your answer to simplest form.

$$
\frac{5}{6} \times \frac{7}{9} \times \frac{3}{10}
$$

5. (a) [1.5 pts] Show clear, thorough steps in dividing $\frac{5}{6} \div \frac{7}{9}$. Imitate the steps shown in the video at https://www.youtube.com/watch?v=4lkq3DgvmJo .
(b) [0.5 pts] What is the name of the rearranged fraction we use when trading fraction division for fraction multiplication?
6. [2 pts] Show clear, thorough steps in computing $\frac{5}{6}+\frac{7}{9}-\frac{1}{4}$. Refer to the processes shown in the videos below, but actually leave the intermediate FLF multiplication step showing, where the video "dissolves" a product such as $3 \times 8$ into the number 24 . (That is, leave $3 \times 8$ in one step, and show 24 in the NEXT step.)
https://www.youtube.com/watch?v=5juto2ze8Lg\&list=PLUPEBWbAHUszeG-AhgtaRybo0ylguyk6_\&index=3 and
https://www.youtube.com/watch?v=N-Y0Kvcnw8g\&list=PLUPEBWbAHUszeG-AhgtaRybo0ylguyk6_\&index=4 . Then reduce your answer to simplest form.
