

Assignment # 6

On looseleaf

In pencil

Show your work.

Order the following rational numbers from least to greatest. **SHOW YOUR WORK!!!!**

1. $\frac{1}{8}, \frac{4}{9}, .96, \frac{12}{9}$

Add or subtract. Simplify your answers. Convert answers that are improper fractions into mixed numbers.

2. $-5 + 18$

3. $-90 + 50$

4. $-13 - 7$

5. $40 - (-7)$

6. $-5 + 1\frac{3}{4}$

Multiply or divide. Simplify your answers. Convert answers that are improper fractions into mixed numbers:

7. $4 * (-6)$

8. $(-12)*(-8)$

9. $(-1)*(-8)*(-3)$

10. $45 \div (-9)$

11. $(-\frac{1}{2}) \times \frac{5}{8}$

12. $(2\frac{3}{4}) \div (-\frac{1}{2})$

13. Christian went to Best Buy to purchase a new Nintendo Wii gaming system. Since he often shops at Best Buy, he receives several coupons in the mail. Christian brought two different coupons with him to the store. One coupon read "15% off your total purchase", while the other read "\$25 off your total purchase". The Wii originally costs \$149.99.

WOW!!!

Come in today and get 15% off your purchase!

WOW!!

Come in today and receive \$25 off your purchase!!!

A) Which coupon should Christian use to save the most money? Why? Show your work and explain.

B) If Christian uses the 15% coupon, and the tax is 8.5%, how much does Christian pay for the Wii at the register (after tax and discount)?