## Accelerated Math Notes (Section 3-6) Adding & Subtracting UnLike Fractions

\*\* Your book shows you to write mixed numbers as improper fractions, get a common denominator, and add or subtract. This is only efficient when the integer part of the number is small. Therefore to be sure you have enough time on quizzes/tests, be sure to practice keeping the problem in mixed number form.

## Example:

$$\frac{7\frac{3}{5} - 3\frac{2}{3}}{38 \cdot 3} - \frac{11}{3} \cdot \frac{5}{3}$$

$$\frac{144}{15} - \frac{55}{15} = \frac{59}{154}$$

$$7\frac{3}{5} = 7\frac{9}{15} = 6\frac{24}{15}$$

$$-3\frac{3}{5} = 3\frac{18}{15} = 3\frac{18}{15}$$

$$3\frac{14}{15}$$

$$87\frac{2}{3} - 56\frac{3}{4}$$

Efficient

-56-4 -56 -56 -56 -56 -72

30 11/2

873-567

 $\frac{263(4)}{3(4)} - \frac{227(3)}{4(3)}$ 

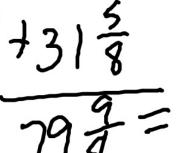
 $\frac{1052}{12} - \frac{681}{12}$ 

37/

subtract -> Ans. pos

9/8

Add - Ans. neg

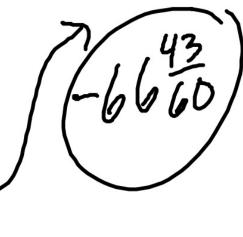




$$-80\frac{2}{18} + 50\frac{9}{18}$$

Subtract abs. valves -> Ans.

Add abs. valves -> Ans.



$$2\frac{5}{8} + -16\frac{1}{6}$$

$$2\frac{15}{24} + -16\frac{1}{24}$$

$$54 + -16\frac{1}{24}$$

$$54 + -16\frac{1}{24}$$

$$3\frac{15}{24} + -16\frac{1}{24}$$

$$-13\frac{15}{24} - 13\frac{15}{24}$$

$$-13\frac{15}{24} - 13\frac{15}{24}$$

$$-13\frac{15}{24} - 13\frac{15}{24}$$