

Name: _____
Date: _____
Class: _____

Algebra
Unit 1
HW 1-3

- 1) If you were going to add $\frac{3}{7}$ and $\frac{1}{3}$ what would you need to do first and why?

- 2) Complete the problem in #1 showing all necessary steps (meaning don't just put it in your calculator).

- 3) If you were going to add $5\frac{2}{3}$ and $6\frac{1}{4}$ using your calculator with the mixed numbers, how would you properly enter it into your calculator

- 4) What would be a reasonable approximation of an answer to the addition in #3?

- 5) Convert $5\frac{2}{3}$ into an improper fraction showing all necessary steps.

- 6) Add the following using your calculator, show your answer as both a mixed number, and as an improper fraction:
$$\frac{2}{3} + \frac{4}{5} + \frac{5}{6} + \frac{2}{7} + \frac{5}{8}$$

- 7) Which of the following results in a greater value?
a) $\frac{4}{5} + \frac{5}{9} + \frac{2}{3} + \frac{10}{11}$ b) $\left|5 - 3 - \frac{5}{2} - \frac{49}{20}\right|$

8) Using a picture, confirm that $2 \div \frac{1}{2} = 4$

9) What is the reciprocal of $\frac{1}{3}$?

10) Using a reciprocal, show why $\frac{\frac{2}{5}}{\frac{16}{25}} = \frac{5}{8}$