Algebra 2 DO NOT USE A CALCULATOR Name_____

Operations w/Fractions: Review

Date_____ Class____

Evaluate each expression. It is easier to work with improper fractions rather than mixed numbers. Find a COMMON DENOMINATOR when you add and subtract. If there was another way, we would do it. You may leave you anwer as improper, but be sure it is reduced.

1) $\frac{4}{7} + \left(-\frac{8}{5}\right)$

2) $\frac{3}{2} - \left(-\frac{3}{2}\right)$

3) $\frac{1}{3} - \left(-3\frac{5}{8}\right)$

4) $2\frac{7}{8} + 3\frac{2}{3}$

5) $\left(-\frac{7}{5}\right) + \left(-\frac{10}{7}\right)$

6) $1\frac{2}{3} + \left(-\frac{4}{5}\right)$

7) $\left(-\frac{5}{3}\right) - 3\frac{1}{2}$

8) $1\frac{1}{6} + 1\frac{3}{7}$

9) $1\frac{5}{6} - 2\frac{3}{4}$

10) $1\frac{1}{4} - \frac{1}{3}$

Find each product. "top to top, bottom to bottom". All mixed numbers must be written as improper fractions before you can do this.

11) $\left(-3\frac{7}{8}\right)\left(\frac{15}{8}\right)$

12) $\left(\frac{5}{6}\right)\left(-\frac{2}{3}\right)$

13) $\left(-2\frac{1}{2}\right)\left(-\frac{1}{2}\right)$

14) $\left(2\frac{4}{9}\right)\left(-\frac{4}{5}\right)$

15) $(-2)\left(\frac{14}{9}\right)$

Find each quotient. "keep it, change it, flip it." All mixed numbers must be written as improper fractions before you can do this.

16) $\frac{-4}{5} \div 2\frac{2}{3}$

17) $-3\frac{5}{8} \div \frac{-3}{2}$

18) $-1\frac{2}{3} \div \frac{4}{5}$

19) $-1\frac{5}{6} \div 1\frac{3}{4}$

20) $\frac{2}{3} \div \frac{-13}{7}$