Math 215 In Class Work

Name: _____

1. Put the following fractions in ascending order. Use the strategies we have discussed in class. Make sure that, if asked, you could explain your thinking.

   (a) $\frac{2}{7}$ $\frac{7}{8}$ $\frac{1}{2}$ $\frac{2}{11}$ $\frac{7}{10}$

   (b) $\frac{13}{4}$ $\frac{1}{2}$ $\frac{13}{50}$ $\frac{13}{14}$ $\frac{13}{17}$

   (c) $\frac{4}{7}$ $\frac{2}{9}$ $\frac{9}{10}$ $\frac{6}{7}$ $\frac{2}{7}$

   (d) $\frac{9}{14}$ $\frac{2}{5}$ $\frac{12}{13}$ $\frac{1}{9}$ $\frac{11}{18}$

   (e) $\frac{7}{9}$ $\frac{1}{3}$ $\frac{2}{7}$ $\frac{11}{10}$ $\frac{11}{15}$

   (f) $\frac{15}{13}$ $\frac{1}{8}$ $\frac{7}{8}$ $\frac{2}{7}$ $\frac{3}{5}$

   (g) $\frac{7}{5}$ $\frac{5}{7}$ $\frac{9}{40}$ $\frac{1}{4}$ $\frac{5}{16}$

   (h) $\frac{7}{10}$ $\frac{4}{7}$ $\frac{4}{9}$ $\frac{8}{19}$ $\frac{11}{14}$

2. Insert the correct symbol ($<, >$, or $=$). Use the strategies we have discussed in class. Make sure that, if asked, you could explain your thinking.

(a) $\frac{7}{9} \times \frac{1}{3}$ $\frac{7}{9}$

(b) $\frac{4}{9} \times \frac{2}{3}$ $\frac{2}{9}$

(c) $\frac{7}{9} \times \frac{4}{3}$ $\frac{7}{9}$

(d) $\frac{2}{3} \times \frac{2}{3}$ $\frac{1}{3}$

(e) $\frac{10}{13} \times \frac{3}{7}$ $\frac{5}{13}$

(f) $\frac{8}{9} \times \frac{1}{5}$ $\frac{2}{9}$

(g) $\frac{3}{4} \times \frac{8}{11}$ $\frac{5}{11}$

(h) $\frac{2}{3} \times \frac{4}{7}$ $\frac{2}{7}$

(i) $\frac{1}{2} \times \frac{14}{3}$ 2

(j) $\frac{5}{7} \times \frac{9}{5}$ $\frac{4}{7}$

(k) $\frac{9}{2} \times \frac{1}{5}$ $\frac{3}{2}$

(l) $\frac{9}{2} \div \frac{1}{5}$ 3

(m) $\frac{1}{2} \div \frac{1}{5}$ 1

(n) $\frac{1}{2} \div \frac{1}{5}$ $\frac{3}{2}$

(o) $\frac{1}{2} \div \frac{1}{5}$ 4