Worksheet 1
Fractions and Interval Notation
SOLUTION KEY

Fractions

For Problems 1 - 12, write the given expressions as single fractions. You should do all of this worksheet without touching your calculator. Show all of your work, and draw $\boxed{\text{boxes}}$ around your final answers.

Note: I have written my final fraction answers for Problems 1 - 8 in reduced form, but you do not need to do this in order for your answers to be correct.

1. $\left(\frac{6}{5}\right)\left(\frac{2}{9}\right) = \boxed{\frac{12}{45}}$

2. $\frac{3}{11} - \frac{1}{2} = \frac{6}{22} - \frac{11}{22} = \boxed{-\frac{5}{22}}$

3. $\frac{\left(\frac{2}{3}\right)}{\left(\frac{8}{5}\right)} = \left(\frac{2}{3}\right)\left(\frac{5}{8}\right) = \frac{10}{24} = \boxed{\frac{5}{12}}$

4. $\frac{2}{7} + \frac{3}{5} = \frac{10}{35} + \frac{21}{35} = \boxed{\frac{31}{35}}$

5. $2\left(\frac{13}{3}\right) = \left(\frac{2}{1}\right)\left(\frac{13}{3}\right) = \boxed{\frac{26}{3}}$

6. $\frac{2}{7} - 3 = \frac{2}{7} - \frac{3}{1} = \frac{2}{7} - \frac{21}{7} = \boxed{-\frac{19}{7}}$

7. $\frac{4}{\left(\frac{7}{9}\right)} = \left(\frac{4}{1}\right)\left(\frac{9}{7}\right) = \boxed{\frac{36}{7}}$