Practice Dividing Fractions

You need to show your work for full credit, please show every step neatly. Remember dividing is the same as <u>multiplying by the reciprocal</u>. Use LCR to turn the division problem into a multiplication problem. Your answer must be in simplest form.

(Hint: To make the numbers smaller and easier to deal with, cross simplify before you multiply)

1. $\frac{1}{2} \div \frac{1}{8} =$

2. $-\frac{3}{4} \div \frac{5}{6} =$

3. $-\frac{3}{10} \div \left(-\frac{6}{7}\right) =$

4. $5\frac{2}{3} \div 1\frac{5}{6} =$

5. $4\frac{1}{2} \div (-9) =$

6. $-12 \div \left(-2\frac{1}{5}\right) =$