5.4 Dividing Fractions and Mixed Numbers

Name_____

Write the reciprocal for each fraction below.

1) $\dfrac{5}{6}$

2) 8

3) $5\dfrac{2}{5}$

4) $3\dfrac{4}{7}$

Evaluate the expression. Simplify if possible.

5) $\dfrac{3}{8} \div \dfrac{1}{4} =$

9) $2\dfrac{5}{6} \div 7 =$

6) $\dfrac{6}{7} \div \dfrac{5}{14} =$

10) $4\dfrac{3}{8} \div 3\dfrac{1}{3} =$

11) $6\dfrac{1}{5} \div 3\dfrac{4}{9} =$

7) $\dfrac{7}{12} \div 4 =$

12) $4\dfrac{1}{2} \div 1\dfrac{1}{4} =$

8) $8 \div 2\dfrac{3}{4} =$

13) A standard movie poster is $2\frac{1}{4}$ feet wide. The width of the wall is $13\frac{1}{2}$ feet.

      a. How many standard movie posters can you fit across the wall without overlapping?

      b. If each poster sells for \$12.95, how much will it cost to put posters across the wall? (Remember, no calculators should be used on this assignment.)

Concept Review

14) Evaluate the expression. Simplify if possible. $\dfrac{2}{5} + \dfrac{5}{7} =$