7.1.5 Multiply Divide Rational Practice

Name_____

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Find each product.

1) $\left(5\frac{8}{9}\right)\left(-\frac{5}{3}\right)$

$-\frac{265}{27}$

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

$\frac{7}{8}$

3) $-1\frac{2}{3}\cdot\frac{3}{2}$

$-\frac{5}{2}$

4) $-3\frac{3}{4}\cdot-\frac{12}{7}$

$\frac{45}{7}$

5) $\left(-\frac{5}{3}\right)\left(-\frac{3}{8}\right)\left(-\frac{11}{7}\right)$

$-\frac{55}{56}$

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

$-\frac{527}{75}$

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

$\frac{69}{2}$

8) $\left(1\frac{2}{3}\right)(-1)\left(-7\frac{2}{3}\right)\left(-\frac{7}{6}\right)$

$-\frac{805}{54}$

Find each quotient.

9) $\dfrac{3\frac{2}{3}}{-\frac{5}{3}}$

$-\frac{11}{5}$

10) $\dfrac{-2\frac{1}{4}}{2}$

$-\frac{9}{8}$

11) $\dfrac{3\frac{5}{7}}{-1\frac{5}{7}}$

$-\frac{13}{6}$

12) $\dfrac{-\frac{5}{3}}{\frac{3}{4}}$

$-\frac{20}{9}$

13) $-1\frac{3}{10}\div 2\frac{1}{10}$

$-\frac{13}{21}$

14) $\frac{-1}{2}\div -4\frac{1}{6}$

$\frac{3}{25}$

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