

Name:

Date:

R-3: COMPUTING WITH RATIONAL NUMBERS

Simplify and express answers in lowest terms. Use CAPITAL LETTERS to write the answers on the corresponding blanks. All work must be shown to receive credit.

____ 1. $\frac{2}{15} + \left(-\frac{3}{10}\right)$

A. $\frac{4}{9}$

____ 2. $-\frac{3}{4} + \frac{7}{8}$

B. $-\frac{2}{9}$

____ 3. $\frac{10}{3} \div (-4)$

C. $-\frac{5}{6}$

____ 4. $\frac{10}{21} \cdot -\frac{7}{8}$

D. $\frac{1}{8}$

____ 5. $-\frac{2}{9} - \left(-\frac{2}{3}\right)$

E. $-\frac{5}{12}$

____ 6. $\frac{10}{18} - \frac{14}{18}$

F. $-\frac{1}{6}$

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____7. $-\frac{15}{4} \cdot \frac{8}{9}$

G. $-\frac{10}{13}$

____8. $\frac{7}{6} + \left(-\frac{6}{7}\right)$

H. $-3\frac{1}{2}$

____9. $4\left(-\frac{7}{8}\right)$

I. $-\frac{10}{3}$

____10. $\frac{5}{6} \div \left(-\frac{13}{12}\right)$

J. $-\frac{5}{3}$

____11. $-\frac{9}{4} - \frac{4}{3}$

K. $\frac{13}{42}$

____12. $4 \div \left(-\frac{12}{5}\right)$

L. $-\frac{43}{12}$