Order of Operations with Fractions (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$\frac{3}{4} \div \left(\frac{1}{2}\right)^2$

$\left(\frac{5}{9} + \left(-\frac{2}{3}\right)\right) \times \left(-\frac{4}{5}\right)$

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

$\frac{2}{3} + \frac{5}{9} \div \left(-\frac{7}{8}\right)$

$\frac{5}{6} \div \left(\left(-\frac{2}{5}\right) + \left(-\frac{4}{9}\right)\right)$

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

$= \left(-\frac{3}{4}\right) - \frac{1}{16}$

$= -\frac{13}{16}$

$\frac{3}{4} \div \left(\frac{1}{2}\right)^2$

$= \frac{3}{4} \div \frac{1}{4}$

$= 3$

$\left(\frac{5}{9} + \left(-\frac{2}{3}\right)\right) \times \left(-\frac{4}{5}\right)$

$= \left(-\frac{1}{9}\right) \times \left(-\frac{4}{5}\right)$

$= \frac{4}{45}$

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

$= \frac{3}{4} \times \frac{2}{15}$

$= \frac{1}{10}$

$\frac{2}{3} + \frac{5}{9} \div \left(-\frac{7}{8}\right)$

$= \frac{2}{3} + \left(-\frac{40}{63}\right)$

$= \frac{2}{63}$

$\frac{5}{6} \div \left(\left(-\frac{2}{5}\right) + \left(-\frac{4}{9}\right)\right)$

$= \frac{5}{6} \div \left(-\frac{38}{45}\right)$

$= -\frac{75}{76}$