

Show all work and circle/box your answers. If you do the problem incorrectly, or don't show sufficient work, you will be asked to rewrite the problem for credit.

Suggested due date: next class period. Final due date: the day of the Unit 1 Exam.

- (1) Evaluate the following without using a calculator (i.e. don't give decimal answers). Simplify your answers.

(a) $-\frac{1}{4} + \left(-\frac{1}{6}\right)$

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

(b) $-\frac{4}{3} + \frac{3}{8}$

(d) $\left(\frac{3}{5} + \frac{3}{4}\right) - \frac{1}{2}$

- (2) Evaluate each expression without using a calculator. Simplify your answers.

(a) $\left|\frac{-7}{6}\right| \div \left|-\frac{1}{2}\right|$

(c) $\frac{2}{3} \div \frac{2}{7} \cdot \frac{1}{2} - \frac{3}{5} \cdot \frac{1}{3} \div \frac{2}{9}$

(b) $\frac{6 - |-4| - 4(8 - 5)}{|8 - 2(3)|}$

(d) $\frac{3(12 - 9)}{-3} - \frac{2(3 - 4)}{4 - (-2)}$