### 3.9 Combinations of Operations with Fractions

Use the order of operations agreement and the rules of operations with fractions to simplify the following.
a. $4+\left(1 \frac{1}{2}\right)\left(2 \frac{3}{4}\right)$
b. $50\left(\frac{1}{5}\right)^{2}-12\left(\frac{1}{2}\right)^{2}$
c. $7-\left(1 \frac{3}{5}\right)\left(2 \frac{1}{2}\right)$
d. $6\left(\frac{1}{2}\right)+\frac{2}{3}(12)$
e. $\frac{2}{5}\left(2 \frac{1}{2}\right)+\frac{5}{8}\left(3 \frac{1}{5}\right)$

Note: Portions of this document are excerpted from the textbook Prealgebra, $7^{\text {th }}$ ed. by Charles McKeague

