Mini-Quiz 3

Name:

[10] Leave answers as *reduced* fractions. No credit will be given for non-reduced answers or mixed numbers. Let a, b, c, and d be real numbers, and assume no combination of them on the sheet equals zero.

$\frac{1}{2} + \frac{1}{3}$ $\frac{1}{6} + \frac{1}{2}$ $\frac{2}{7} + \frac{1}{3}$ $\frac{3}{4} + \frac{1}{16}$

$\frac{3}{10} + \frac{3}{5}$ $2 + \frac{1}{8}$ $\frac{1}{a} + \frac{1}{a}$ $\frac{1}{a} + \frac{1}{a^2}$

$\frac{a}{b} + \frac{1}{ab}$ $\frac{c-d}{d-c} + \frac{d-c}{c-d}$ $\frac{3}{a+b} + \frac{1}{a}$ $\frac{c}{d^2} + \frac{a+2}{bd}$

$\frac{1}{x+2} + \frac{1}{x+3}$ $\frac{1}{(x+3)(x-2)} + \frac{1}{4}$ $\frac{5}{(x+3)(x-2)} + \frac{x}{x+3}$ $\frac{4}{x+2} + \frac{x+2}{x-2}$

$\frac{1}{(x+h)^2} + \frac{1}{x+h}$ $\frac{1}{x+h} + \frac{1}{x-h}$ $\frac{1}{x+h} + \frac{2}{x}$ $\frac{1}{(x^2-h^2)} + \frac{(x-1)}{(x+h)}$