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.

$\frac{1}{2} + \frac{1}{3}$

$\frac{5}{6}$

$\frac{1}{6} + \frac{1}{2}$

$\frac{2}{6}$

$\frac{2}{7} + \frac{1}{3}$

$\frac{13}{21}$

$\frac{3}{4} + \frac{1}{16}$

$\frac{13}{16}$

$\frac{3}{10} + \frac{3}{5}$

$\frac{9}{10}$

$2 + \frac{1}{8}$

$\frac{17}{18}$

$\frac{1}{a} + \frac{1}{a}$

$\frac{2}{a}$

$\frac{1}{a} + \frac{1}{a^2}$

$\frac{a+1}{a^2}$

$\frac{a}{b} + \frac{1}{ab}$

$\frac{a^2+1}{ab}$

$\frac{c-d}{d-c} + \frac{d-c}{c-d}$

-2

$\frac{3}{a+b} + \frac{1}{a}$

$\frac{4a+b}{a(a+b)}$

$\frac{c}{d^2} + \frac{a+2}{bd}$

$\frac{bc+ad+2d}{bd^2}$

$\frac{1}{x+2} + \frac{1}{x+3}$

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

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

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

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

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

$\frac{4}{x+2} + \frac{x+2}{x-2}$

$\frac{4(x-2)+(x+2)^2}{(x+2)(x-2)}$

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

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

$\frac{1}{x+h} + \frac{1}{x-h}$

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

$\frac{1}{x+h} + \frac{2}{x}$

$\frac{3x+2h}{x(x+h)}$

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

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