Mini-Quiz 5

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.

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

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

$\frac{a}{b} + \frac{-3}{ab}$

$\frac{2}{a} + \frac{2}{5b}$

$\frac{-2}{3}$

$\frac{13}{3}$

$\frac{a^2-3}{ab}$

$\frac{10b+2a}{5ab}$

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

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

$\frac{3}{2a} + \frac{1}{8}$

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

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

$\frac{a^3+1}{a^2 b}$

$\frac{12+a}{8a}$

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

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

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

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

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

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

-2

$\frac{3+6ad}{ad}$

$\frac{c+6}{d}$

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

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

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

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

$\frac{a+x+2}{a(x+2)}$

$\frac{x+5}{(x+4)^2}$

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

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

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

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

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

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

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

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

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

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