

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.

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

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

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

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

$$\frac{5}{6}$$

$$\frac{2}{3}$$

$$\frac{13}{21}$$

$$\frac{13}{16}$$

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

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

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

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

$$\frac{9}{10}$$

$$\frac{17}{18}$$

$$\frac{2}{a}$$

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

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

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

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

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

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

$$-2$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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