

Mini-Quiz 8

Math 111

Name:

[10] Solve for y . Combine like terms where given but you need not perform fraction addition. Let x , y , and z be real numbers. Assume $x, y, z \neq 0$

$$x = \frac{1}{y}$$

$$x = \frac{y}{1+y}$$

$$x = \frac{1+y}{y}$$

$$\frac{1}{y} = \frac{1}{x} + \frac{1}{z}$$

$$x = \frac{1+3y}{y}$$

$$x = \frac{y-2y}{3}$$

$$5 = \frac{3+xy}{y}$$

$$\frac{1}{x} = \frac{1}{y}$$

$$x = \frac{1-2y}{y}$$

$$5y = \frac{x+2y}{y}$$