

Mini-Quiz 11

Math 111

Name:

[10] Solve for y . Combine like terms where given but you need not perform fraction addition. Let x and y be real numbers. Assume no combinations of numbers on this sheet = 0

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

$$x = \frac{4-y}{3y}$$

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

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

Solve for $g(x)$. Combine like terms where given but you need not perform fraction addition. Let x , z , and $g(x)$ be real numbers. Assume no combinations of numbers on this sheet = 0

$$x = \frac{5+g(x)}{-g(x)}$$

$$x = \frac{3g(x)}{g(x)-4}$$

$$-x = \frac{6-g(x)}{g(x)-2}$$

$$\frac{1}{g(x)} = \frac{1}{xz} + \frac{1}{z}$$

$$2g(x) = \frac{2g(x)+12}{g(x)}$$

$$2g(x) = \frac{3g(x)+x}{g(x)}$$