

Mini-Quiz 12

Math 111

Name:

[10] Solve for y . Let x and y be real numbers. Assume no combinations of numbers on this sheet = 0

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

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

$$x = \frac{-y+4}{5y-2x}$$

$$1 = \frac{1}{y} + \frac{1}{y+2}$$

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

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

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

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

$$\frac{2}{g(x)} = \frac{3}{xz} + \frac{1}{g(x)}$$

$$g(x) = \frac{-3g(x)+10}{g(x)}$$

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