

## Math 70 Quiz #7 Answers

1. Since the LCD of the fractions is 21, we can clear the fractions by multiplying by 21, which gives  
$$5x = 14x - 18$$

Solving for  $x$  gives us  $x = 2.$

(To solve for  $x$  you can start by either subtract  $5x$  or subtract  $14x$  to get the variable terms on one side.....)

2. Subtracting  $6x$  from both sides  $\Rightarrow 3y = 12 - 6x$

Dividing both sides by 3  $\Rightarrow y = \frac{12-6x}{3}$  or  $y = \frac{12}{3} - \frac{6x}{3}$

Simplified Answer:  $y = 4 - 2x$

3. Multiplying both sides by 2 (or dividing by  $\frac{1}{2}$ )  $\Rightarrow 2A = ab$

Dividing both sides by  $a$   $\Rightarrow \frac{2A}{a} = b$

4. (a)  $\frac{1}{5}x$  or  $\frac{x}{5}$  (You can use a different variable if you like.)

(b)  $2 + 10x$  or  $10x + 2$