INSTRUCTIONS

Solve each equation in the space provided.

Show all of your steps.

This is assignment is due on: _____

1. Solving Equations

[4] a)
$$x + 7 = 12$$

b)
$$2 = -4 + x$$

a)
$$x + 7 = 12$$
 b) $2 = -4 + x$ c) $3x = -21$ d) $\frac{x}{4} = -6$

d)
$$\frac{x}{4} = -6$$

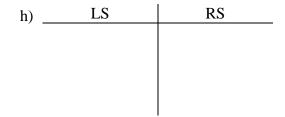
[4] e)
$$11 = 5x + 6$$

f)
$$\frac{5x}{9} = 10$$

[4] g)
$$6x + 5 = 4x - 7$$

h)
$$3x - 2 = 5x - 10$$

Check your answers to g) and h).



[7] **2.** Equations with Brackets

a)
$$3(x+5) = 12$$

b)
$$3(x + 1) = 2(x - 3)$$

3. Equations with Fractions

a)
$$\frac{2x}{3} - \frac{5x}{5} = -1$$

[19]

b)
$$\frac{x}{3} + 1 = \frac{x}{4}$$

c)
$$\frac{3}{4}x - 4 = 7 + \frac{1}{2}x$$

d)
$$\frac{x-1}{5} = \frac{x+2}{2}$$

e)
$$\frac{x-2}{3} - \frac{x+4}{4} = 5$$

$$f)\frac{x+5}{3} + 5 = -x$$