

INSTRUCTIONS

Solve each equation in the space provided.

Show all of your steps.

This assignment is due on: _____

1. Solving Equations

[4] a) $x + 7 = 12$ b) $2 = -4 + x$ c) $3x = -21$ 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).

[4] g)

LS	RS

h)

LS	RS

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

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

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

[19] **3. Equations with Fractions**

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

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