

## M8 - 10.1 - Substitution WS

Evaluate the following for when  $x = 5$ .

$x + 2 =$

$3 + x =$

$x - 4 =$

$15 - x =$

$x + 2 - 3 =$

$2 \times x =$

$3(x) =$

$(x + 4)3 =$

$3x - 2x =$

$5x + x =$

$(2x) - (4x) =$

Evaluate the following when  $x = -2, y = 4$

$x + 3 =$

$y - 2 =$

$x + y =$

$2y + x =$

$3 + y + x =$

$2x + y =$

$2x + 3y =$

$3x + x + 2 + y =$

## M8 - 10.1 - " $x \pm b = c$ " WS

Solve for  $x$ , by *subtracting to both sides*. Answer should say  $x = \underline{\hspace{2cm}}$

$$x + 3 = 5$$

$$x + 2 = 7$$

$$x + 4 = -3$$

$$x + 5 = -2$$

$$3 + x = 5$$

$$4 + x = 8$$

$$9 + x = -6$$

$$a + x = -b$$

$$7 = x + 3$$

$$4 = x + 1$$

$$-3 = x + 5$$

$$x + 5 = 0$$

$$-8 = 5 + x$$

$$10 = 9 + x$$

$$x + 2 = 0$$

$$a = b + x$$

Solve for  $x$ , by *adding to both sides*. Answer should say  $x = \underline{\hspace{2cm}}$

$$x - 2 = 3$$

$$x - 5 = 9$$

$$x - 7 = -4$$

$$x - a = -b$$

$$-7 + x = 2$$

$$-12 + x = 3$$

$$-9 + x = -2$$

$$-a + x = b$$

$$8 = x - 3$$

$$-10 = x - 7$$

$$4 = -8 + x$$

$$-b = x - a$$

$$-2 = -4 + x$$

$$5 = -2 + x$$

$$4 = -4 + x$$

$$b = -a + x$$

# M8 - 10.1 - $-x \pm b = c$ WS

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**Solve for  $x$ , by subtracting to both sides. Then Dividing by negative one. Answer should say  $x = \underline{\hspace{2cm}}$**

$$5 - x = 2$$

$$4 - x = 8$$

$$2 - x = -3$$

$$6 - x = -10$$

$$-x + 5 = 2$$

$$-x + 4 = -3$$

$$-x + 2 = 8$$

$$-x + a = -b$$

$$4 = 6 - x$$

$$7 = 5 - x$$

$$-8 = 6 - x$$

$$-2 = 4 - x$$

$$-2 = 5 - x$$

$$3 = 8 - x$$

$$7 = 2 - x$$

$$-b = a - x$$

**Solve for  $x$ , by adding to both sides. Then Dividing by negative one. Answer should say  $x = \underline{\hspace{2cm}}$**

$$-x - 4 = 2$$

$$-x - 3 = -7$$

$$-x - 2 = 4$$

$$-x - a = b$$

$$-3 - x = -3$$

$$-5 - x = 2$$

$$-2 - x = 6$$

$$-c - x = -d$$

$$3 = -2 - x$$

$$-4 = -1 - x$$

$$3 = -x - 7$$

$$b = -x - a$$

$$-5 = -4 - x$$

$$7 = -x - 5$$

$$-4 = -6 - x$$

$$-d = -c - x$$

# M8 - 10.2 - " $\pm ax = b$ " WS

Solve for  $x$ , by dividing to both sides. Answer should say  $x = \underline{\hspace{1cm}}$

$$\frac{2x}{2} = \frac{6}{2}$$

$$x = 3$$

$$5x = 45$$

$$10x = 20$$

$$3x = 12$$

$$24 = 8x$$

$$30 = 6x$$

$$12 = 3x$$

$$0 = 2x$$

Solve for  $x$ , by dividing to both sides. Answer should say  $x = \underline{\hspace{1cm}}$ , as a Simplified Fraction.

$$6x = 3$$

$$4x = 2$$

$$2 = 6x$$

$$8x = 2$$

$$14x = 10$$

$$1x = 2$$

$$20 = 15x$$

$$bx = a$$

Solve for  $x$ , by dividing to both sides. Answer should say  $x = \underline{\hspace{1cm}}$ , as a Fraction.

$$7x = 2$$

$$7x = 1$$

$$5 = 3x$$

$$1 = 2x$$

$$4 = 9x$$

$$0 = 2x$$

$$3x = 1$$

$$6x = 7$$

Solve for  $x$ , by dividing to both sides. Answer should say  $x = \underline{\hspace{1cm}}$

$$3x = 18$$

$$3x = 3$$

$$4x = 0$$

$$4 = 6x$$

$$2 = 10x$$

$$45x = 27$$

$$12 = 4x$$

$$20x = 15$$

$$6x = -12$$

$$-24 = 8x$$

$$3x = -4$$

$$-12 = 9x$$

$$-14x = 21$$

$$-2x = 2$$

$$16 = -4x$$

$$-2x = 0$$

$$-21x = -15$$

$$-10 = -2x$$

$$-12x = -18$$

$$-21 = -7x$$

# M8 - 10.2 - " $\frac{x}{a} = b$ " WS

Solve for  $x$ , by multiplying to both sides. Answer should say  $x = \underline{\hspace{2cm}}$

$$\frac{x}{2} = 4$$

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

$$\frac{x}{5} = 6$$

$$\frac{x}{3} = 1$$

$$7 = \frac{x}{2}$$

$$2 = \frac{x}{4}$$

$$10 = \frac{x}{2}$$

$$0 = \frac{x}{5}$$

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

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

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

$$\frac{x}{a} = -b$$

$$\frac{x}{-2} = 4$$

$$-\frac{x}{2} = 4$$

$$\frac{-x}{2} = 4$$

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

$$\frac{x}{-9} = 2$$

$$-1 = \frac{x}{-6}$$

$$\frac{x}{-5} = 0$$

$$\frac{x}{-4} = 2$$

$$2 = -\frac{x}{4}$$

$$\frac{-x}{4} = 2$$

$$2 = \frac{-x}{-4}$$

$$\frac{-x}{-2} = 11$$

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

$$-\frac{x}{7} = -3$$

$$-\frac{x}{2} = 4$$

$$8 = -\frac{x}{3}$$

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

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

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

# M8 - 10.2 - " $\frac{ax}{b} = c$ " WS

Solve for  $x$ , by *multiplying to both sides, then dividing to both sides*. Answer should say  $x = \underline{\hspace{2cm}}$

*Simplify if Necessary.*

$$\frac{2x}{3} = 6$$

$$\frac{2}{3}x = 6$$

$$\frac{ax}{b} = \frac{a}{b}x$$

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

$$\frac{2x}{5} = 4$$

$$4 = \frac{2}{3}x$$

$$6 = \frac{3}{4}x$$

$$\frac{10x}{3} = 2$$

$$\frac{3x}{5} = 6$$

$$2 = \frac{1x}{8}$$

$$\frac{9x}{2} = 3$$

$$\frac{ax}{b} = c$$

$$\frac{2x}{-9} = 4$$

$$10 = -\frac{20x}{5}$$

$$4 = \frac{-2x}{7}$$

$$\frac{-3x}{2} = -0$$

$$\frac{4}{5}x = 6$$

$$-\frac{1}{7}x = 3$$

$$-\frac{-3x}{-7} = -6$$

$$-4 = \frac{3x}{9}$$

$$-\frac{5x}{7} = -10$$

$$\frac{12}{-4}x = -3$$

$$-5 = \frac{-15x}{-2}$$

$$\frac{ax}{-b} = c$$

$$M8 - 10.2 - \frac{ax}{b} = \frac{c}{d} \text{ WS}$$

$$\frac{a}{b} : \text{reciprocal} = \frac{b}{a} \quad \frac{2}{3} : \text{reciprocal} = \frac{3}{2}$$

Solve for  $x$ , by cross multiplying or multiplying both sides by the reciprocal. Answer should say  $x = \underline{\hspace{2cm}}$   
Simplify if Necessary.

$$\begin{array}{l} \frac{4x}{6} = \frac{4}{3} \\ 3 \times \frac{4x}{6} = \frac{4}{3} \times 3 \\ \frac{12x}{6} = \frac{12}{3} \\ \frac{12x}{12} = \frac{12}{12} \\ x = 2 \end{array}$$

$$\begin{array}{l} \frac{2}{3}x = \frac{5}{7} \\ \frac{3}{2} \times \frac{2}{3}x = \frac{5}{7} \times \frac{3}{2} \\ x = \frac{15}{14} \end{array}$$

$$\frac{3}{5}x = \frac{9}{10}$$

$$\frac{2}{3}x = \frac{4}{5}$$

$$\frac{4}{5}x = \frac{6}{7}$$

$$\frac{2}{7}x = \frac{1}{4}$$

$$\frac{9}{4}x = \frac{7}{2}$$

$$\frac{1}{8} = \frac{2}{4}x$$

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

$$\frac{1x}{-9} = -\frac{2}{7}$$

$$-\frac{2x}{3} = -\frac{1}{2}$$

$$\frac{a}{b}x = \frac{c}{d}$$

$$\frac{2}{9}x = \frac{2}{9}$$

$$\frac{3x}{4} = \frac{6}{8}$$

$$-\frac{3}{7} = \frac{3}{7}x$$

$$-\frac{a}{b}x = \frac{a}{b}$$

# M8 - 10.3 - " $\frac{a}{x} = b$ " WS

Solve for  $x$ , by multiplying to both sides by  $x$ , then divide to both sides. Answer should say  $x = \underline{\hspace{2cm}}$

*Simplify if Necessary.*

$$\begin{aligned}\frac{4}{x} &= 2 \\ x \times \frac{4}{x} &= 2 \times x \\ 4 &= 2x \\ \frac{4}{2} &= \frac{2x}{2} \\ 2 &= x \\ x &= 2\end{aligned}$$

$$\frac{3}{x} = 9$$

$$\frac{5}{x} = 10$$

$$\frac{14}{x} = 7$$

$$15 = \frac{6}{x}$$

$$4 = \frac{8}{x}$$

$$12 = \frac{3}{x}$$

$$2 = \frac{10}{x}$$

$$\frac{-4}{x} = 2$$

$$\frac{9}{x} = -6$$

$$\frac{-1}{x} = 4$$

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

$$14 = \frac{-7}{x}$$

$$-5 = \frac{25}{x}$$

$$-6 = \frac{24}{x}$$

$$22 = \frac{-2}{x}$$

$$\frac{-6}{x} = -27$$

$$-\frac{8}{x} = 24$$

$$-15 = -\frac{45}{x}$$

$$\frac{a}{x} = b$$



# M8 - 10.3 - " $\frac{a}{bx} = c$ " WS

Solve for  $x$ , by multiplying to both sides by  $ax$ . Then dividing. Answer should say  $x = \underline{\hspace{2cm}}$

$$\frac{24}{2x} = 3$$

$$\frac{16}{4x} = 2$$

$$\frac{15}{3x} = 5$$

$$\frac{36}{3x} = 4$$

$$3 = \frac{60}{4x}$$

$$\frac{-27}{3x} = 9$$

$$4 = \frac{40}{5x}$$

$$\frac{90}{3x} = -5$$

Solve for  $x$ , by multiplying. Then dividing. Answer should say in a Fraction  $x = \underline{\hspace{2cm}}$

*Simplify if Necessary.*

$$\frac{3}{5x} = 2$$

$$\frac{2}{3x} = 5$$

$$\frac{5}{-2x} = -3$$

$$\frac{2}{5x} = 7$$

$$\frac{4}{5x} = 3$$

$$1 = \frac{3}{2x}$$

$$5 = \frac{3}{4x}$$

$$\frac{10}{3x} = 5$$

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

$$\frac{4}{-3x} = 8$$

$$\frac{4}{-3x} = 6$$

$$3 = \frac{12}{6x}$$

# M8 - 10.3 - " $\frac{a}{bx} = \frac{c}{d}$ " WS

**Solve for  $x$ , by Cross Multiplication, Then Dividing. Answer should say  $x =$  \_\_\_\_\_**

$$\frac{4}{3x} = \frac{2}{3}$$

$$\frac{2}{3x} = \frac{4}{3}$$

$$\frac{1}{8} = \frac{2}{4}x$$

$$\frac{3}{5}x = \frac{9}{10}$$

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

$$\frac{1x}{-9} = -\frac{2}{7}$$

$$-\frac{2x}{3} = -\frac{1}{2}$$

$$\frac{a}{b}x = \frac{c}{d}$$

$$\frac{2}{9}x = \frac{2}{9}$$

$$\frac{3x}{4} = \frac{6}{8}$$

$$-\frac{3}{7} = \frac{3}{7}x$$

$$-\frac{a}{b}x = \frac{a}{b}$$

## M8 - 10.4 - " $ax + b = c$ " WS

***Solve for  $x$ , by subtracting from both sides then dividing to both sides. Answer should say  $x = \underline{\hspace{2cm}}$***

$$2x + 3 = 9$$

$$3x + 6 = 12$$

$$5x + 10 = 30$$

$$4x + 8 = -4$$

$$3 + 6x = 21$$

$$22 = 8x + 6$$

$$18 = 2x + 4$$

$$-7 = 2x + 3$$

$$5x + 8 = -2$$

$$2x + 9 = 27$$

$$2 + 3x = 2$$

$$-5 = 2x + 3$$

***Solve for  $x$ , by adding to both sides then dividing to both sides. Answer should say  $x = \underline{\hspace{2cm}}$***

$$2x - 3 = 9$$

$$3x - 6 = 12$$

$$5x - 10 = 30$$

$$4x - 8 = -4$$

$$3 - 6x = 21$$

$$22 = 8x - 6$$

$$18 = 2x - 4$$

$$-7 = 2x - 3$$

$$3x - 2 = -2$$

$$-4 = 4x - 8$$

$$-5 = 2x - 3$$

$$-2 + 6x = -14$$

## M8 - 10.4 - " $-ax + b = c$ " WS

***Solve for  $x$ , by subtracting to both sides then dividing to both sides by  $-a$ . Answer should say  $x = \underline{\hspace{1cm}}$***

$$-2x + 4 = 8$$

$$-3x + 8 = 17$$

$$-4x + 5 = 21$$

$$-5x + 10 = -20$$

$$5 - 3x = 1$$

$$4 - 6x = -12$$

$$8 - 3x = 32$$

$$5 - 7x = -16$$

$$4 = 2 - 2x$$

$$-2 = 7 - 3x$$

$$5 = 3 - 2x$$

$$10 = 10 - 5x$$

***Solve for  $x$ , by adding to both sides then dividing to both sides by  $-a$ . Answer should say  $x = \underline{\hspace{1cm}}$***

$$-2x - 4 = 8$$

$$-3x - 8 = 16$$

$$-4x - 5 = 19$$

$$-5x - 10 = -20$$

$$-5 - 3x = 1$$

$$-4 - 6x = -22$$

$$-8 - 3x = 13$$

$$-5 - 7x = -26$$

$$4 = -2 - 2x$$

$$-1 = -7 - 3x$$

$$5 = -3 - 2x$$

$$-10 = -10 - 5x$$

# M8 - 10.4 - " $\frac{x}{a} + b = c$ " HW

*Solve for  $x$ , by subtracting from both sides then multiplying to both sides. Answer should say  $x = \underline{\hspace{2cm}}$*

$$\frac{x}{2} + 3 = 7$$

$$\frac{x}{3} + 4 = 5$$

$$\frac{x}{5} + 2 = 12$$

$$\frac{x}{4} + 4 = 2$$

$$2 + \frac{x}{7} = 3$$

$$7 + \frac{x}{6} = 5$$

$$5 = \frac{x}{9} + 2$$

$$-2 = -2 + \frac{x}{8}$$

*Solve for  $x$ , by adding to both sides then multiplying to both sides. Answer should say  $x = \underline{\hspace{2cm}}$*

$$\frac{x}{2} - 3 = 9$$

$$\frac{x}{3} - 4 = 5$$

$$\frac{x}{5} - 2 = 6$$

$$\frac{x}{4} - 4 = 2$$

$$-2 + \frac{x}{7} = 3$$

$$-7 + \frac{x}{6} = -5$$

$$-5 = \frac{x}{9} + 2$$

$$-2 = -2 + \frac{x}{8}$$

# M8 - 10.4 - " $-\frac{x}{a} + b = c$ " HW

**Solve for  $x$ , by adding or subtracting from both sides then multiplying to both sides.**

**Answer should say  $x = \underline{\hspace{2cm}}$**

$$\frac{x}{-2} + 3 = 7$$

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

$$\frac{x}{-5} + 2 = 12$$

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

$$\frac{x}{-2} - 3 = 9$$

$$\frac{x}{-3} - 4 = 5$$

$$\frac{x}{-5} - 2 = 6$$

$$\frac{x}{4} - 4 = 2$$

**Solve for  $x$ , by adding or subtracting from both sides then multiplying to both sides, then dividing by negative one. Answer should say  $x = \underline{\hspace{2cm}}$**

$$-2 - \frac{x}{7} = 3$$

$$-7 - \frac{x}{6} = -5$$

$$-5 = -\frac{x}{9} + 2$$

$$-2 = -2 - \frac{x}{8}$$

$$2 + \frac{-x}{7} = 3$$

$$7 - \frac{x}{6} = 5$$

$$5 = \frac{-x}{9} + 2$$

$$-2 = -2 - \frac{x}{8}$$

# M8 - 10.5 - LCD " $x + \frac{b}{c} = \frac{d}{e}$ " HW

Solve for  $x$  by multiplying each term by the LCD

$$\begin{aligned} x - 1 &= \frac{1}{2} \\ 2 \times (x - 1) &= \frac{1}{2} \times 2 \\ 2x - 2 &= 1 \\ +2 &+2 \\ \frac{2x}{2} &= \frac{3}{2} \\ x &= \frac{3}{2} \end{aligned}$$

$$x - 1 = \frac{1}{4}$$

$$2 + x = \frac{7}{2}$$

$$\frac{1}{5} = x + 1$$

$$3 + x = \frac{1}{3}$$

$$2 = x - \frac{3}{4}$$

$$\begin{aligned} x + \frac{1}{6} &= \frac{1}{3} \\ 6 \times \left(x + \frac{1}{6}\right) &= \frac{1}{3} \times 6 \\ 6x + \frac{6}{6} &= \frac{6}{3} \\ 6x + 1 &= 2 \\ -1 &-1 \\ \frac{6x}{6} &= \frac{1}{6} \\ x &= \frac{1}{6} \end{aligned}$$

$$\frac{x}{2} + \frac{1}{4} = \frac{1}{2}$$

$$x + \frac{1}{4} = \frac{2}{3}$$

$$x - \frac{5}{6} = -\frac{1}{3}$$

$$x - \frac{1}{4} = \frac{1}{2}$$

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

## M8 - 10.6 - " $a(x + b) = c$ " Distributing WS

Solve for  $x$  by dividing or distributing first

$$2(x - 2) = 4$$

$$3(x + 2) = 3$$

$$4(x - 2) = 4$$

$$5(x - 2) = 10$$

$$18 = 3(4 + x)$$

$$9 = 3(x - 3)$$

$$2(x + 3) = 8$$

$$5(x + 2) = 25$$

$$-3(1 + x) = 9$$

$$15 = -3(x + 6)$$

$$-6(x + 2) = 18$$

$$-4(x - 4) = -64$$

$$-2(x - 1) = 6$$

$$18 = -9(x - 7)$$

$$-6(x - 5) = 30$$

$$-2(x + 4) = -10$$



# M8 - 10.6 - " $\frac{a}{b}(\frac{x}{c} + \frac{d}{e}) = \frac{f}{g}$ " Distributing WS

Solve for  $x$  by multiplying to both sides or distributing first

$$\frac{1}{2}(x - 2) = 4$$

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

$$\frac{1}{2}(x - 2) = 6$$

$$\frac{1}{4}(x - 3) = 6$$

$$18 = \frac{1}{3}(4 + x)$$

$$9 = 3(x - 3)$$

$$2(x + 3) = 8$$

$$5(x + 2) = 25$$

$$-3(1 + x) = 9$$

$$15 = -3(x + 6)$$

$$-6(x + 2) = 18$$

$$-4(x - 4) = -64$$

$$-2(x - 1) = 6$$

$$18 = -9(x - 7)$$

$$-6(x - 5) = 30$$

$$-2(x + 4) = -10$$

This Section needs solutions

Some will come clean after add/subtract fractions

Maybe we have to tewch lcd before this

1st fact to int

Then frac to frac = int

Then frac to frac to frac

# M8 - 10.7 - " $ax + b = cx + d$ " WS

*Solve for  $x$ , by combining like terms by M10 – 10.1 and adding and subtracting  $\pm ax$  to both sides*

$$\begin{aligned} x &= 1 + 2 \\ x &= 3 \end{aligned}$$

$$\begin{aligned} x + x &= 4 \\ 2x &= 4 \\ \frac{2x}{2} &= \frac{4}{2} \\ x &= 2 \end{aligned}$$

$$\begin{aligned} 4 + 1 &= 5x \\ 5 &= 5x \\ \frac{5}{5} &= \frac{5x}{5} \\ 1 &= x \\ x &= 1 \end{aligned}$$

$$\begin{aligned} 3x + 3x &= 4 + 8 \\ 6x &= 12 \\ \frac{6x}{6} &= \frac{12}{6} \\ x &= 2 \end{aligned}$$

$$\begin{aligned} 2x &= 4 + x \\ -x &\quad -x \\ \hline x &= 4 \end{aligned}$$

$$2x = 4 + x$$

$$2x = 3 + x$$

$$2x = 5 + x$$

$$4x = 16 + 3x$$

$$4x = 12 + 3x$$

$$6x = 5x - 9$$

$$-3x = 18 - 4x$$

$$8x = -12 + 4x$$

$$10 + 4x = 9x$$

$$-33 + 3x = 14x$$

$$6 + 5x = 3x$$

$$4x + 3 = 3x - 2$$

$$6x + 2 = 5x - 6$$

$$3x - 4 = 2x - 9$$

$$7x + 5 = 2x + 5$$

$$6x + 4 = 2x + 12$$

$$5x - 3 = 3x - 1$$

$$2x + 1 + 3x = 2 + 4x$$

# M8 - 10.7 - " $ax + b = cx + d$ " WS

**Solve for  $x$ , by combining like terms by M10 – 10.1 and adding and subtracting  $\pm ax$  to both sides**

$$\begin{array}{r} 2x + 3 = 4 + x \\ -x \quad -x \\ \hline x + 3 = 4 \\ -3 \quad -3 \\ \hline x = 1 \end{array}$$

$$\begin{array}{r} 2x + 4 + x = 13 \\ 3x + 4 = 13 \\ -4 \quad -4 \\ \hline 3x = 9 \\ \frac{3x}{3} = \frac{9}{3} \\ \hline x = 3 \end{array}$$

$$3x + 2 = 6 + x$$

$$2x - 8 = 4 - 4x$$

$$4x + 3 = 3x + 12$$

$$3x + 2 = 2x + 3$$

$$5x - 9 = -4x + 18$$

$$-2x - 1 = 4x + 2$$

$$5x - 2 = 4 - 3x$$

$$2x - 3 = 8x - 12$$

$$x - 5x + 3 = -9$$

$$5 - 2x + 3 = 2x$$

$$5x + 2x + 6 + 1 = 0$$

$$-3x = 2 + 11x - 6$$

$$4x - 5 + x = 7 - x$$

# M8 - 10.7 - " $a(bx + c) = e(d + x)$ " WS

**Solve for  $x$ , by combining like terms by M10 – 10.1 and adding and subtracting  $\pm ax$  to both sides**

$$3(x + 2) = 2(x + 4)$$

$$3x + 6 = 2x + 8$$

$$\begin{array}{r} -2x \\ x + 6 = 8 \end{array}$$

$$\begin{array}{r} -6 \\ x = 2 \end{array}$$

$$3(x + 6) = 5(2 + x)$$

$$2(x + 10) = -4(x + 4)$$

$$6(x - 8) = 3(-x + 8)$$

$$-6(x - 10) = -4(5 - x)$$

$$3(3 + x) = 6(2x - 3)$$

$$3(4x - 6) = 2(1 - 4x)$$

$$-2(2x - 10) = -3(6 + 2x)$$

i)  $5(2x - 3) = -10(2x - 3)$

j)  $-2(4x + 2) = -3(1 + 2x)$