

$$\begin{aligned}
 (x-7) - (x+6) &= 9x \\
 x-7-x-6 &= 9x \\
 (x-x) - (7+6) &= 9x \\
 x-x-7-6 &= 9x \\
 -13 &= 9x \\
 \frac{-13}{9} &= \frac{9x}{9} \\
 \frac{-13}{9} &= x
 \end{aligned}$$

Sep 21-8:04 AM

$$\begin{aligned}
 2 \quad 13(6x-8) &= 8x-3 \\
 78x - 104 &= 8x-3 \\
 78x - 8x &= -3 + 104 \\
 70x &= 101 \\
 \frac{70x}{70} &= \frac{101}{70} \\
 x &= 1.4
 \end{aligned}$$

Sep 21-9:18 AM

③

$$2(x+7) = (2x+14)$$

$$2x+14 = 2x+14$$

$$2x-2x = 14-14$$

$$0x = 0$$

Sep 21-9:21 AM

④

$$-9x+6(-2x-2) = -28-5x$$

$$-9x-12x-12 = -28-5x$$

$$-21x-12 = -28-5x$$

$$-21x+5x = -28+12$$

$$\frac{-16x = -16}{-16 \quad -16}$$

$$x = 1$$

Sep 21-9:24 AM

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

$$4x-4 = 3x+6$$

$$4x-3x = 4+6$$

$$x = 10$$

$$x = 10$$

Sep 22-8:43 AM

6

DST.

$$-[4x + (6x+3)] = 6 - (8x+8)$$

$$-4x - (6x+3) = 6 - 8x - 8$$

$$-4x - 6x - 3 = 6 - 8x - 8$$

$$-10x - 3 = -2 - 8x$$

$$-10x + 8x = -2 + 3$$

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

$$x = -0.5$$

Sep 22-8:47 AM

(7)

$$2x + 2 - 7(x+1) = -5x + 6$$

$$2x + 2 - 7x - 7 = -5x + 6$$

$$-5x + 9 = -5x + 6$$

$$9x + 9 = 6 - 9$$

$$\frac{14x}{14} = \frac{-3}{14}$$

$$x = \frac{-3}{14}$$

Sep 22-8:56 AM

$$3x + 4 - 7(x+1) = -(6x-2)$$

$$3x + 4 - 7x - 7 = -6x + 2$$

$$3x + 4 - 7x - 7 = -6x + 2$$

$$3x + 7x - 4 - 7 = 6x - 2$$

$$10x - 5 = 6x - 2$$

$$10x + 6x = 5 + 2$$

$$16x = 7$$

$$(3x) + (4) - (7x) - (7) = -6x + 2$$

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

$$-4x + 6x = 2 + 3$$

$$2x = 5$$

Sep 22-9:01 AM

$$3x + 4 - 7(x + 1) = -(6x - 2)$$

(DIST) $3x + 4 - 7x - 7 = -6x + 2$

(C.L.T.) $-4x - 3 = -6x + 2$

(SWITCH) $-4x + 6x = 2 + 3$

(C.L.T. Simplify) $\frac{2x}{2} = \frac{5}{2}$

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

Sep 22-9:11 AM

719

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

$$-2x + 15x - 25 = -6 - 6x$$

$$13x - 25 = -6 - 6x$$

$$13x + 6x = -6 + 25$$

$$\frac{19x}{19} = \frac{19}{19}$$

$$x = 1$$

Sep 22-9:16 AM

#10

$$-4x + 2(2x - 7) = -5 - 9x$$

$$-4x + 4x - 14 = -5 - 9x$$

$$\cancel{-4x} + \cancel{4x} - 14 = -5 - 9x$$

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

$$x = 1$$

Sep 22-9:20 AM