

$$1. (x-7) - (x+6) = 9x$$

DIST.

$$C.L.T \quad \cancel{x} - 7 - \cancel{x} - 6 = 9x$$

$$-7 - 6 = \frac{13}{9}$$

$$x = -\frac{13}{9}$$

Sep 21-8:04 AM

#2

$$13(6x-8) = 8x-3$$

$$1 \quad 78x - 104 = 8x - 3$$

$$78x - 8x = 104 - 3$$

$$\frac{70x}{70} = \frac{101}{70} \quad x = 1.44$$

Sep 21-1:18 PM

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

$$(2x+14) - (2x+14)$$

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

$$0x = 0$$

all real #'s

Sep 21-1:22 PM

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

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

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

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

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

$$x = 1$$

Sep 21-1:28 PM

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

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

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

$$4x - 3x = 10$$

$$1x = 10$$

$$x = 10$$

Sep 21-9:18 AM

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

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

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

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

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

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

Sep 22-12:56 PM

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

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

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

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

$$14x = -3$$

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

Sep 22-1:01 PM

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

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

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

$$2x - 3 = 2$$

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

$$x = 2.5$$

Sep 22-1:06 PM

$$9 \quad -2x + 5(3x - 5) = -6 - 6x$$

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

$$13x + 6x =$$

$$25 - 6$$

$$19x = 19$$

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

$$+6 \quad +6$$

$$13x - 19 = -6x$$

$$+6x \quad +6x$$

$$19x - 19 = 0$$

$$+19 \quad +19$$

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

$$x = 1$$

Sep 21-9:21 AM

$$10. \quad -4x + 2(2x - 7) = -5 - 9x$$

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

$$-14 = -5 - 9x \quad 9x + 5 = 14$$

$$+5 \quad +5$$

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

$$9x = 9$$

$$x = 1$$

Sep 21-9:24 AM