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S.91

$$a) \quad \cancel{4}^{2x}x + 3 = \cancel{2}^0x + 11 \quad || -2x$$

$$2x + \cancel{3}^0 = \cancel{11}^8 \quad || -3$$

$$\frac{2x}{2} = \frac{8}{2} \quad || :2$$

$$x = 4$$

$$b) \quad \cancel{4}^{2x}x - 3 = \cancel{2}^0x + 11 \quad || -2x$$

$$2x - \cancel{3}^0 = \cancel{11}^{14} \quad || +3$$

$$\frac{2x}{2} = \frac{14}{2} \quad || :2$$

$$x = 7$$

$$c) \quad \cancel{6}^{5x}x - 7 = \cancel{x}^0 + 3 \quad || -x$$

$$5x - \cancel{7}^0 = \cancel{3}^{10} \quad || +7$$

$$\frac{5x}{5} = \frac{10}{5} \quad || :5$$

$$x = 2$$

$$d) \quad \cancel{5x}^{4x} - 2 = \cancel{x}^0 + 10 \quad || -x$$

$$4x - \cancel{2}^0 = \cancel{10}^{12} \quad || +2$$

$$\frac{4x}{4} = \frac{12}{4} \quad || :4$$

$$x = 3$$

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$$a) \quad \cancel{6x}^{-2x} = \cancel{8x}^0 - 4 \quad || -8$$

$$\frac{-2x}{-2} = \frac{-4}{-2} \quad || :(-2)$$

$$x = 2$$

$$b) \quad \cancel{8x} = \cancel{5x} + 18 \quad || -5x$$

$$\frac{3x}{3} = \frac{18}{3} \quad || :3$$

$$x = 6$$

$$c) \quad \cancel{7x} - 3 = \cancel{5x} - 3 \quad || -5$$

$$2x - \cancel{3}^0 = \cancel{-3}^0 \quad || +3$$

$$\frac{2x}{2} = \frac{0}{2} \quad || :2$$

$$x = 0$$

$$d) \quad \overset{-2x}{\cancel{3x}} + 1 = \overset{0}{\cancel{5x}} - 13 \quad || -5x$$

$$-2x + \overset{0}{\cancel{1}} = \overset{-14}{\cancel{-13}} \quad || -1$$

$$\frac{-2x}{-2} = \frac{-14}{-2} \quad || :(-2)$$

$$x = 7$$

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