2-step backtracking: Answers

(1)
$$\xrightarrow{\times 4} \qquad \xrightarrow{-10}$$

| x | $4x$ | $4x - 10$ |

(2)
$$\xrightarrow{-3} \qquad \xrightarrow{\div 3}$$

| x | $x - 3$ | $\frac{(x-3)}{3}$ |

(3)
$$\xrightarrow{+9} \qquad \xrightarrow{\times 8}$$

| x | $x + 9$ | $8(x + 9)$ |

(4)
$$\xrightarrow{-8} \qquad \xrightarrow{\times 8}$$

| x | $x - 8$ | $8(x - 8)$ |

(5)
$$\xrightarrow{\times 4} \qquad \xrightarrow{-6}$$

| x | $4x$ | $4x - 6$ |

(6)
$$\xrightarrow{\div 5} \qquad \xrightarrow{+3}$$

| x | $\frac{x}{5}$ | $\frac{x}{5} + 3$ |

(7)
$$\xrightarrow{\times 3} \qquad \xrightarrow{-3}$$

| x | $3x$ | $3x - 3$ |

(8)
$$\xrightarrow{\times 9} \qquad \xrightarrow{-10}$$

| x | $9x$ | $9x - 10$ |

(9)
$$\xrightarrow{+2} \qquad \xrightarrow{\div 2}$$

| x | $x + 2$ | $\frac{(x+2)}{2}$ |

(10)
$$\xrightarrow{\times 10} \qquad \xrightarrow{-2}$$

| x | $10x$ | $10x - 2$ |

(11)
$$\xrightarrow{-3} \qquad \xrightarrow{\div 5}$$

| x | $x - 3$ | $\frac{(x-3)}{5}$ |

(12)
$$\xrightarrow{\div 3} \qquad \xrightarrow{+6}$$

| x | $\frac{x}{3}$ | $\frac{x}{3} + 6$ |

(13)
$$\xrightarrow{\times 10} \qquad \xrightarrow{+9}$$

| x | $10x$ | $10x + 9$ |

(14)
$$\xrightarrow{\times 2} \qquad \xrightarrow{+7}$$

| x | $2x$ | $2x + 7$ |

(15)
$$\xrightarrow{\div 3} \qquad \xrightarrow{+5}$$

| x | $\frac{x}{3}$ | $\frac{x}{3} + 5$ |

(16)
$$\xrightarrow{-4} \qquad \xrightarrow{\times 8}$$

| x | $x - 4$ | $8(x - 4)$ |

(17)
$$\xrightarrow{-4} \qquad \xrightarrow{\times 2}$$

| x | $x - 4$ | $2(x - 4)$ |

(18)
$$\xrightarrow{+1} \qquad \xrightarrow{\div 1}$$

| x | $x + 1$ | $\frac{(x+1)}{1}$ |

(19)
$$\xrightarrow{\times 2} \qquad \xrightarrow{+9}$$

| x | $2x$ | $2x + 9$ |

(20)
$$\xrightarrow{\div 8} \qquad \xrightarrow{-9}$$

| x | $\frac{x}{8}$ | $\frac{x}{8} - 9$ |

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