



Solve the equations to find  $x$ .

## Section A

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|------------------|-------------------|-------------------|--------------------|
| 1) $7x + 9 = 23$ | 4) $9x + 5 = 41$  | 7) $10x + 2 = 72$ | 10) $4x + 7 = 9$   |
| 2) $5x + 7 = 42$ | 5) $4x + 2 = 34$  | 8) $7x + 3 = 52$  | 11) $8x + 11 = 15$ |
| 3) $4x + 3 = 51$ | 6) $11x + 3 = 36$ | 9) $6x + 5 = 17$  | 12) $4x + 17 = 18$ |

## Section B

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|------------------|-------------------|------------------|--------------------|
| 1) $1 + 6x = 19$ | 4) $11 + 5x = 71$ | 7) $23 = x + 8$  | 10) $13 = 11 + 4x$ |
| 2) $9 + 7x = 30$ | 5) $5 + 3x = 32$  | 8) $28 = 3x + 1$ | 11) $7 = 8x + 3$   |
| 3) $3 + 2x = 17$ | 6) $4 + 5x = 44$  | 9) $53 = 8x + 5$ | 12) $12 = 7 + 15x$ |

## Section C

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|------------------|------------------|-------------------|-------------------|
| 1) $4x - 1 = 31$ | 4) $8x - 2 = 46$ | 7) $9x - 4 = 32$  | 10) $2x - 1 = 2$  |
| 2) $3x - 4 = 29$ | 5) $2x - 7 = 21$ | 8) $5x - 1 = 64$  | 11) $4x - 8 = 10$ |
| 3) $6x - 5 = 31$ | 6) $7x - 3 = 18$ | 9) $12x - 9 = 39$ | 12) $15x - 2 = 3$ |

## Section D

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|-----------------|------------------|--------------------|--------------------|
| 1) $x - 3 = -2$ | 4) $x + 3 = 2$   | 7) $2x - 3 = -9$   | 10) $2x + 5 = 1$   |
| 2) $x - 5 = -1$ | 5) $x + 9 = 4$   | 8) $2x - 10 = -2$  | 11) $2x + 14 = 4$  |
| 3) $x - 6 = -4$ | 6) $x + 10 = -5$ | 9) $2x - 18 = -20$ | 12) $2x + 11 = -5$ |

## Section E

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|----------------|-----------------|------------------|--------------------|
| 1) $5 - x = 2$ | 4) $8 - x = 14$ | 7) $3 - 2x = 5$  | 10) $2 - 3x = 14$  |
| 2) $9 - x = 5$ | 5) $2 - x = 15$ | 8) $5 - 2x = 15$ | 11) $6 - 3x = 27$  |
| 3) $6 - x = 3$ | 6) $7 - x = 21$ | 9) $8 - 2x = 12$ | 12) $16 - 5x = 61$ |

## Section F

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|------------------|-------------------|--------------------|---------------------|
| 1) $3x - 1 = 14$ | 5) $1 - x = 6$    | 9) $34 = -6 + 5x$  | 13) $3 - 2x = 5$    |
| 2) $x - 4 = -3$  | 6) $8 + 5x = 63$  | 10) $6 + 11x = -5$ | 14) $8x + 42 = -54$ |
| 3) $3 + 2x = 17$ | 7) $16 - 2x = 40$ | 11) $-29 = 3 + 4x$ | 15) $6x - 16 = -70$ |
| 4) $7x - 6 = 50$ | 8) $34 = 6 - 4x$  | 12) $6x + 13 = 25$ | 16) $-9 - 4x = -53$ |