

Solving Linear Equations (A) **ANSWERS**



Solve the equations to find x .

Section A

1) $x + 3 = 11$ **8**

5) $x + 4 = 14$ **10**

9) $x + 6 = 24$ **18**

2) $x + 2 = 8$ **6**

6) $x + 7 = 9$ **2**

10) $x + 5 = 36$ **31**

3) $x + 5 = 7$ **2**

7) $x + 3 = 9$ **6**

11) $x + 8 = 43$ **35**

4) $x + 7 = 13$ **6**

8) $x + 12 = 17$ **5**

12) $x + 9 = 61$ **52**

Section B

1) $4 + x = 6$ **2**

5) $7 + x = 12$ **5**

9) $7 + x = 40$ **33**

2) $2 + x = 7$ **5**

6) $12 + x = 18$ **6**

10) $8 + x = 72$ **64**

3) $8 + x = 11$ **3**

7) $14 + x = 23$ **9**

11) $11 + x = 64$ **53**

4) $5 + x = 9$ **4**

8) $19 + x = 32$ **13**

12) $28 + x = 90$ **62**

Section C

1) $x - 4 = 7$ **11**

5) $x - 10 = 2$ **12**

9) $x - 9 = 25$ **34**

2) $x - 6 = 4$ **10**

6) $x - 7 = 18$ **25**

10) $x - 12 = 31$ **43**

3) $x - 1 = 6$ **7**

7) $x - 11 = 8$ **19**

11) $x - 16 = 29$ **45**

4) $x - 7 = 13$ **20**

8) $x - 5 = 16$ **21**

12) $x - 28 = 78$ **106**

Solving Linear Equations (A) **ANSWERS**



Section D

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|---------------|----------|---------------|----------|-----------------|----------|
| 1) $2x = 6$ | 3 | 5) $3x = 15$ | 5 | 9) $15x = 30$ | 2 |
| 2) $5x = 10$ | 2 | 6) $6x = 24$ | 4 | 10) $20x = 40$ | 2 |
| 3) $4x = 12$ | 3 | 7) $7x = 35$ | 5 | 11) $40x = 120$ | 3 |
| 4) $10x = 90$ | 9 | 8) $12x = 36$ | 3 | 12) $50x = 200$ | 4 |

Section E

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|----------------------|-----------|----------------------|-----------|------------------------|------------|
| 1) $\frac{x}{3} = 4$ | 12 | 5) $\frac{x}{7} = 3$ | 21 | 9) $\frac{x}{7} = 8$ | 56 |
| 2) $\frac{x}{2} = 8$ | 16 | 6) $\frac{x}{5} = 4$ | 20 | 10) $\frac{x}{12} = 6$ | 72 |
| 3) $\frac{x}{5} = 7$ | 35 | 7) $\frac{x}{2} = 9$ | 18 | 11) $\frac{x}{14} = 2$ | 28 |
| 4) $\frac{x}{8} = 4$ | 32 | 8) $\frac{x}{9} = 5$ | 45 | 12) $\frac{x}{30} = 5$ | 150 |

Section F

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|-----------------------|-----------|-------------------------|------------|-------------------------|------------|
| 1) $4x = 48$ | 12 | 8) $10x = 160$ | 16 | 15) $\frac{x}{4} = 12$ | 48 |
| 2) $x + 13 = 22$ | 9 | 9) $13 + x = 27$ | 14 | 16) $25 + x = 39$ | 14 |
| 3) $9x = 63$ | 7 | 10) $6x = 42$ | 7 | 17) $5x = 100$ | 20 |
| 4) $11x = 132$ | 12 | 11) $x + 17 = 42$ | 25 | 18) $\frac{x}{3} = 300$ | 900 |
| 5) $12 + x = 26$ | 14 | 12) $\frac{x}{11} = 11$ | 121 | 19) $x + 49 = 110$ | 61 |
| 6) $\frac{x}{8} = 12$ | 96 | 13) $7x = 56$ | 8 | 20) $100x = 6500$ | 65 |
| 7) $x - 19 = 30$ | 49 | 14) $18 + x = 24$ | 6 | | |