

1.  $15x + 3x - 6x = 96$   
 $12x = 96 \quad || : 12$   
 $x = 8$   
 $L = \{8\}$
2.  $7x - 3x + 8x - 2x = 210$   
 $10x = 210 \quad || : 10$   
 $x = 21$   
 $L = \{21\}$
3.  $80 - 6x + 26 = 100 - 5x - 5$   
 $106 - 6x = 95 - 5x \quad || + 6x$   
 $106 = 95 + x \quad || - 95$   
 $11 = x$   
 $L = \{11\}$
4.  $(41 - 5x) \cdot 3 = 112 - 14x + 3$   
 $123 - 15x = 115 - 14x \quad || + 15x$   
 $123 = 115 + x \quad || - 115$   
 $8 = x$   
 $L = \{8\}$
5.  $25x + 24 = (x + 8) \cdot 3 + 3x$   
 $5x + 24 = 3x + 24 + 3x$   
 $5x + 24 = 6x + 24 \quad || - 5x$   
 $24 = x + 24 \quad || - 24$   
 $0 = x$   
 $L = \{0\}$
6.  $22(x + 1) + 5(2x + 1) = 19$   
 $2x + 2 + 10x + 5 = 19$   
 $12x + 7 = 19 \quad || - 7$   
 $12x = 12 \quad || : 12$   
 $x = 1$   
 $L = \{1\}$

$$7. \quad 23x + 5 - (6x + 2) = 54$$

$$23x + 5 - 6x - 2 = 54$$

$$17x + 3 = 54 \quad || - 3$$

$$17x = 51 \quad || : 17$$

$$x = 3$$

$$L = \{3\}$$

$$8. \quad 4(3x + 4) - 2(5x + 6) = 22$$

$$12x + 16 - 10x - 12 = 22$$

$$2x + 4 = 22 \quad || - 4$$

$$2x = 18 \quad || : 2$$

$$x = 9$$

$$L = \{9\}$$

$$9. \quad 3x + 12 - [2(x - 3) + 18] = 11$$

$$3x + 12 - (2x - 6 + 18) = 11$$

$$3x + 12 - 2x + 6 - 18 = 11$$

$$x = 11$$

$$L = \{11\}$$

$$10. \quad 25t + 18 - (3(t - 4) - 4(2t + 1)) = 94$$

$$25t + 18 - (3t - 12 - 8t - 4) = 94$$

$$25t + 18 - 3t + 12 + 8t + 4 = 94$$

$$30t + 34 = 94 \quad || - 34$$

$$30t = 60$$

$$t = 2$$

$$L = \{2\}$$