

Use the Balance Beam pieces to solve for 'x' in each equation.
Use lined paper. Show a solution and underline your final answer.

SET A

1. $x + 2 = 9$

2. $2x + 3 = 7$

3. $2x + 8 = 4x$

4. $2x - 2 = 4$

5. $x - 3 = -2$

6. $2x = x + 4$

7. $3x + 2 = 14$

8. $3x = x - 6$

9. $2x + 4 = x + 10$

10. $5x - 6 = 4$

SET B

1. $8x + 12 = 3x + 2$

2. $3x + 4 = x + 6$

3. $5x - 3 = 2x + 9$

4. $4x - 2 = 2x - 6$

5. $5x + 4 = 3x - 2$

6. $6 + 2x = 1 + 7x$

7. $3 - 4x = 2x - 3$

8. $5x - 2 = 4 - x$

9. $-3 = 2x = x + 4$

10. $-5 - 4x = 3x + 2$

SET C

1. $3(x + 2) = 15$

2. $3(x + 1) = 2x + 6$

3. $5(x + 2) = 3x + 14$

4. $2(x - 3) = x - 8$

5. $2(x - 2) = 3x + 4$

6. $4(x + 1) = 2(x - 3)$

7. $5x + 4(2x - 1) + 4 = 8 + 5x + 2x$

8. $8(m - 5) = 2(3m - 8)$

9. $9(n + 3) = 5n + 2n + 3$

10. $3(5x + 4) = 2(4x + 1)$