

Maths with Melissa

Adding and Subtracting Equations

Solve the following problems on adding and subtracting equations. Show your working where necessary.

1. Solve for x : $2x + 5 = 9$
2. Solve for y : $3y - 4 = 8$
3. If $x + 7 = 15$, what is the value of x ?
4. If $2a - 3 = 11$, find a .
5. Solve for z : $5z + 2 = 3z + 10$
6. Solve for x : $4x - 9 = 3x + 2$
7. If $6 + y = 2y - 8$, what is y ?
8. Solve for b : $7b - 4 = 3b + 12$
9. If $x - 5 = 2x + 1$, find x .
10. Solve for n : $9n + 6 = 5n + 22$

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Answer Key

1. $x = 2$

2. $y = 4$

3. $x = 8$

4. $a = 7$

5. $z = 4$

6. $x = 11$

7. $y = 14$

8. $b = 4$

9. $x = -6$

10. $n = 4$