

Reteaching 2-5 Solving Equations by Adding or Subtracting

Solve $x - 9 = 2$ and $x + 8 = 3$.

Since the 9 is subtracted from x , do the inverse and add 9 to both sides of the equation.

$$x - 9 = 2$$

$$x - 9 + 9 = 2 + 9$$

$$x = 11$$

In $x + 8 = 3$, 8 is added to x . So, subtract 8 from both sides of the equation.

$$x + 8 = 3$$

$$x + 8 - 8 = 3 - 8$$

$$x = -5$$

Solve each equation.

1. $17 + m = 21$

2. $y - 34 = 43$

3. $t + 9 = -9$

4. $15 = z + 6$

5. $r + 7 = -16$

6. $68 = p - 41$

7. $144 + g = 78$

8. $311 = y - 281$

9. $-11 + b = -11$

10. $s + 31 = 14$

11. $24 = k - 2$

12. $8 + f = 30$

13. $37 = z - 3$

14. $a + 19 = -82$

15. $18 + n - 7 = 44$

16. $15 = 7 + h + 14$
