Simplify $6x - 9x + 8$.

Simplify $-4x - 3y + 2 - 9x - 5$.

**Simplify**

$2x + 6z - 14 + 3z - 8 + 6x.$

Solve

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

**Solve**

$$9y + 7 - 8y - 17 = 14.$$

Solve

$$4z - (9z + 7) = -22.$$

**Solve**

$$8x + 2(3x - 12) = -122.$$

**Solve**

$$-6 - 4(a + 9) = -26.$$

**Solve**

$$5(3x + 7) - 7(2x - 8) = 105.$$

Solve $4x + 7 = 12x + 9$.

Solve $-8y - 11 = y + 7$.

Solve $4(x - 7) = 2(3x + 6)$.

Solve $-6a - 12 = 8(a - 9)$.

Solve $6n - 4(3n + 9) = 5n - 12$.

**Write an equation. Six more than eight times a number is 21. Do not solve.**

**Write an equation. Four times the sum of a number and 9 is 16. Do not solve.**

**Write an equation. The product of seven and the difference of three times a number and eight is –9. Do not solve.**

**Write an equation. The sum of half of a number and six is 18. Do not solve.**

**Write an equation and solve. Six times the difference of a number and three is –42.**

**Write an equation and solve. One-tenth of a number, decreased by four, is eight.**

**Write an equation and solve. Nine less than 14 times a number is equal to the sum of the number and 17.**

**Write an equation and solve. The product of a number and 23 is equal to 11 less than the number.**

**The sum of two consecutive numbers is –37. Find the numbers.**

**Find two consecutive even numbers such that three times the smaller is 30 more than the larger.**

**The sum of Sasha’s and Natalya’s ages is 31. Twice Natalya’s age is eleven years more than Sasha’s age. Find each of their ages.**

Solve $\frac{3}{5}x \leq -9$.

Solve $-6m + 9 < 18$.

Solve $7x - 12 > 25$.

Solve $4(y + 2) - 16 \leq -3(6y - 8)$.

Solve $3x + 7 > 28$.

Solve $-6n < 3 + 4n + 27$.