

MATH 020 Support 3: Solving Linear Equations

A linear equation in one variable can be written in the form $ax + b = 0$.

Problems

Solve the linear equation.

1. $7x + 5 = 26$

2. $7m + 18 = 9m - 2$

3. $-3y + 9 = -3(2y + 4)$

4. $4(2x - 1) - 2(2x) = 2$

5. $0.50x + 0.35(50) = 29.5$

6. $0.04(x - 4) + 0.10x = 0.06x - 0.9$

Write the following as an equation. Then solve.

7. The sum of ten times a number, and fifty-five, is equal to nine times the number. Find the number.

8. Five times a number, minus four, is equal to four times the number, plus six.