

Solve each system of equations with algebra.

1.

$$y = 3x - 8$$

$$4x - 6y = -22$$

2.

$$9a + 7c = 29$$

$$6a - 5c = -58$$

3. In a piggy bank there are some nickels and quarters. There are a total of 40 coins that add up to \$5.80. Write and solve a system of equations to find the number of each type of coin in the piggy bank.