Solve each system of equations with algebra.

1.

$$y = 3x - 8$$
$$4x - 6y = -22$$

$$2(9a+7c=29)$$

$$3(6a - 5c = -58)$$

$$18a + 14c = 58$$

$$18a - 15c = -174$$

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$$0 = -3$$

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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

$$.5(N + Q = 40) .5N + .5Q = 20 N = 10.05$$

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