

Incorrect. The correct system is:

$$a + 4c = 34$$

$$2a + 2s = 28$$

$$2c = 3s, \text{ or } 2c - 3s = 0$$

Multiply the first equation by -2 and add it to the second equation to eliminate a . Together with the third equation, you have a system of two equations and two variables. The correct answer = 10.