Solve the second equation for x: x = 14 + 5y

Substitute 14 + 5y for x in the first equation: 4(14 + 5y) + 2y = 34

Simplify: 56 + 20y + 2y = 34 or 56 + 22y = 34

Solve for *y*: 22y = -22, so y = -1

Substitute this value for *y* into the equation you started with: x = 14 + 5(-1) = 14 - 5 = 9