

Incorrect. By adding the first and second equations of the system, you eliminate the variable  $d$ . This gives you the new equation. Then add the first and third equations to eliminate the variable  $d$  once again. This gives you a second new equation. Add these two new equations to eliminate the variable  $e$ . Then solve for  $f$  in the resulting equation. Substitute this value of  $f$  into one of the other new equations and solve for  $e$ . Finally, substitute the values for  $e$  and  $f$  into one of the original equations and solve for  $d$ . The correct answer is 4.