Linear Algebra: Existence/Uniqueness of Solutions

Investigate the values of λ and μ so that the equations:

$$2x + 3y + 5z = 9$$
$$7x + 3y - 2z = 8$$
$$2x + 3y + \lambda z = \mu$$

have:

a) No solution
b) A unique solution
c) An infinite number of solutions.