Darrigan	Callaga	I incom	Alachua	(COLEMOE)	. 201 N	VC 05 C2.	Winton 2010
Dawson	Conlege.	Lillear	Aigebra	(SCIENCE)	. ZUI-IN	10-03-32.	Winter 2018

Name		

Quiz 1

This quiz is graded out of 6 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

Question 1. §1.1 #24 Consider the system of equations

$$\begin{cases} ax + by = k \\ cx + dy = l \\ ex + fy = m \end{cases}$$

Discuss the relative positions of the lines ax + by = k, cx + dy = l, and ex + fy = m when

a. the system has no solutions.

b. the system has exactly one solution.

c. the system has infinitely many solutions.