EXERCISE A

Use Cramer's Rule to solve each system of equations.

1)
$$5x + 2y = 8$$

 $2x - 2y = 7$ 2) $2x + 7y = 4$
 $x - 2y = -20$ 3) $2x - y = 1$
 $3x + 2y = 19$



EXERCISE B

Use Cramer's Rule to solve each system of equations.

6) 3x + 5y = 33 5x + 7y = 517) 2x - 4y = -1 3y - 4x = -58) 4x + 3y = 68x - y = -9

Use Cramer's Rule & the graphing calculator to solve the following systems of equations.

9) x - 2y + z = 7 6x + 2y - 2z = 4 4x + 6y + 4z = 1410) 4a + 2b - 3c = -32 -a - 3b + c = 542b + 8c = 78

EXERCISE C

11) Jackson and Drew each purchased some game and ride tickets at the fair. Using the chart:					
a) Write a system of two equations.b) Find the prices for each type of ticket.		PERSON	TICKET TYPE	# OF TICKETS	TOTAL
		Jackson	game ride	6 15	\$93.00
		Drew	game ride	7 12	\$81.00
	I				-14

SECTION M-3



ANSWERS:			
1) (2, -1) 3) (3, 5)	5) (-1.5, 2) 7) (-4, -1.75)	9) $(2, -1, 3)$ 11a) $6g + 15r = 93$ 7g + 12r = 81	11b) ($\$3$, $\$5$) 13) $3x + 5y = -6$ 4x - 2y = 30