MAT1033C Intermediate Algebra Chapter 4 Test Review McCarthy

Name	<u></u>
CRN	

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the system by graphing. 1)				1)
$\begin{cases} x + 5y = 5\\ 4x - 9y = -9 \end{cases}$				
10	ÿ 			
-105	++++++++++→ 			
10				
↓ A) (0, 1)	B) (1, 1)	C) (1, 0)	D) (0, 0)	
Solve the system of equations. 2) $\int x + 9y = -18$				2)
L-6x + 10y = -20 A) (2,0)	B) Ø	C) (0, -2)	D) (1, -3)	
3) $\begin{cases} x + 6y = 1 \\ -7x + 7y = -7 \\ A) \emptyset$	B) (-1, -1)	C) (2, 1)	D) (1,0)	3)
4) $\begin{cases} 9x - 6y = 39 \\ \frac{1}{2}x + y = \frac{7}{2} \end{cases}$				4)
A) (4, 2)	B) (5,2)	C) (5, 1)	D) Ø	
5) $ \begin{cases} 2x + 12y = -70 \\ 12x + 3y = 63 \end{cases} $				5)
A) (12, -12)	B) (7, -7)	C) (-3,7)	D) (-7,7)	
6) $\begin{cases} -3x + 7y = 9 \\ 7x + 3y = 37 \end{cases}$				6)
A) (-4, -3)	B) (-4,3)	C) (4, -3)	D) (4, 3)	

Solve.

A) 49 mph and 55 mph	B) 60 mph and 66 mph	
C) 47 mph and 53 mph	D) 41 mph and 47 mph	
8) A chemist needs 90 milliliters of a 20% how many milliliters of each that shoul	solution but has only 4% and 40% solutions available. Find d be mixed to get the desired solution.	8)
A) 55 ml of 4%; 35 ml of 40%	B) 50 ml of 4%; 40 ml of 40%	
C) 55 ml of 4%; 40 ml of 40%	D) 40 ml of 4%; 50 ml of 40%	
 C) 55 ml of 4%; 40 ml of 40% 9) The manager of a bulk foods establishin cashews for \$14 per pound. The manager and the manag	D) 40 ml of 4%; 50 ml of 40% nent sells a trail mix for \$5 per pound and premium er wishes to make a 126-pound trail mix-cashew mixture	9)
 C) 55 ml of 4%; 40 ml of 40% 9) The manager of a bulk foods establishn cashews for \$14 per pound. The manag that will sell for \$10 per pound. How m 	D) 40 ml of 4%; 50 ml of 40% nent sells a trail mix for \$5 per pound and premium er wishes to make a 126-pound trail mix-cashew mixture any pounds of each should be used?	9)
 C) 55 ml of 4%; 40 ml of 40% 9) The manager of a bulk foods establishn cashews for \$14 per pound. The manage that will sell for \$10 per pound. How manage A) 98 pounds of trail mix 	D) 40 ml of 4%; 50 ml of 40% nent sells a trail mix for \$5 per pound and premium er wishes to make a 126-pound trail mix-cashew mixture any pounds of each should be used? B) 63 pounds of trail mix	9)
 C) 55 ml of 4%; 40 ml of 40% 9) The manager of a bulk foods establishn cashews for \$14 per pound. The manag that will sell for \$10 per pound. How m A) 98 pounds of trail mix 28 pounds of cashews 	D) 40 ml of 4%; 50 ml of 40% nent sells a trail mix for \$5 per pound and premium er wishes to make a 126-pound trail mix-cashew mixture any pounds of each should be used? B) 63 pounds of trail mix 63 pounds of cashews	9)
 C) 55 ml of 4%; 40 ml of 40% 9) The manager of a bulk foods establishn cashews for \$14 per pound. The manage that will sell for \$10 per pound. How minimative A) 98 pounds of trail mix 28 pounds of cashews C) 70 pounds of trail mix 	D) 40 ml of 4%; 50 ml of 40% nent sells a trail mix for \$5 per pound and premium er wishes to make a 126-pound trail mix-cashew mixture any pounds of each should be used? B) 63 pounds of trail mix 63 pounds of cashews D) 56 pounds of trail mix	9)

- A) 271 senior citizen tickets
- C) 258 senior citizen tickets

B) 181 senior citizen ticketsD) 348 senior citizen tickets