Station # 1

SOLVE BY SUBSTITUTION

1) $y = 6x - 11 \quad -2x - 3y = -7$

2) $y = -5x - 17 \quad -3x - 3y = 3$

3) $y = x + 2 \quad y = -2x + 5$

4) $4x - 3y = 18 \quad y = -2x + 4$

Station # 2

DETERMINE WHETHER THE POINT IS A SOLUTION & EXPLAIN HOW YOU KNOW!

1) $(1, 4)$ $2y + 3x = 11$ $y = 3x + 1$

2) $(3, 5)$ $3x + 4y = 29$ $2x + 3y = 18$

3) $(2, 5)$ $3x - y = 1$ $5x + 2y = 20$

4) $(-1, -3)$ $5x - 3y = -4$ $-3x + 4y = -8$

Station # 3

SOLVE BY SUBSTITUTION!

1) $y = x + 1$ $y = 2x - 4$

2) $y = 2x - 5$ $y = 3x - 8$

3) $y = 3x - 3$ $y = 2x - 1$

4) $y = 2x + 7$ $y = -3x + 2$

Station #4

Write the system of equations from the word problem. (You do not need to solve)

1) DHA is selling tickets to a choir performance. On the first day of ticket sales the school sold 3 adult tickets and 1 child ticket for a total of $38. The school sold $52 on the second day by selling 3 adult tickets and 2 child tickets. Write a system of equations.

2) This year the senior class at Fordson and the senior class at DHS both planned trips there. The senior class at Fordson rented 8 vans and 8 buses with 240 total students. DHS rented 4 vans and 1 bus with 54 students. Write a system of equations.

3) Noor spent $131 on shirts. Pattern shirts cost $28 and plain shirts cost $15. She bought a total of 7 shirts. Write a system of equations.

4) Ali has 15 coins. They are quarters and dimes. He has a total of $2.40. Write a system of equations.