Here is a system of equations:

x - 8y = -8

-5x - 4y = 28

1. Solve this system by using elimination. Explain what your answer means
2. Graph this system of equations
3. Explain how the graph of this system relates to your answer to **Part A.**

Michael is playing a game. He has 10 points already and will earn 2 points for every goal he makes. The equation below represents the total points (p) he will earn, based on the the number of goals (g) he makes.

P = 2g + 10

1. How many goals does Michael need to make to have a **total** of 60 points?

Kensley earned enough points in the last game so that for every goal she makes, she will earn 6 points. She has 3 points at the end of the first round. Her total can be represented by p = 3g + 6.

1. Write and solve a system of equations that will show the number of goals that Kensley and Michael need to make to have the same **total number of points.**
2. At how many goals will Kensley begin to outscore Michael?