

- 1) Jordan works for a landscape company during his summer vacation. He is paid \$12 per hour for mowing lawns and \$14 per hour for planting gardens. He can work a maximum of 40 hours per week. He would like to earn at least \$250 this week. There are only two gardens to plant this week and each job will take a maximum of 4 hours, however he does not have to elect to work on those jobs or stay on those jobs the entire time. Jordan knows that he must spend at least 15 hours mowing lawns.
- What does your x-value represent?
 - What does your y-value represent?
 - Write the inequalities that represent the conditions listed in the problem.
 - List three possible values that would be solutions to conditions set out in the problem.
 - Can Jordan work 19 hours mowing lawns, and 2 hours planting gardens and still meet his goal? Why or why not?
 - Can Jordan work 30 hours mowing lawns, and 10 hours planting gardens and still meet his goal? Why or why not?