

# MTH-5150

Concepts		
Solving first-degree inequalities in two variables		
Representing the constraints and the function to be optimized (objective or economic function)		
Determining and interpreting the vertices and the feasible region (bounded or unbounded)		
Changing the conditions associated with the situation to provide a more optimal solution		
Representing and modelling a situation using a graph		
Comparing different graphs		
Finding Euler and Hamiltonian paths and circuits, a critical path, the shortest path, a tree of minimum or maximum values or the chromatic number		
Equivalent figures		
Finding measurements: -oppositions -angles -lengths (segments, chords) -areas -volumes		
Relations in triangles		