

Quiz #1

Name:

Date:

Questions:

- 1- Explain the process of Problem Solving (steps) to take into account for process of conversion from millimeters to inches, based on the template for problem solving you filled out when working on the basic pedal design. (30 POINTS).

- 2- Convert the following units from millimeters to inches. For each item show all calculations. (30 POINTS).
 - a) 3.5 mm
 - b) 6 mm
 - c) 45 mm

- 3- Mention at least three commands you used in Autocad 3D while designing the 3D version of the bike pedal. Briefly explain what these commands do. (20 POINTS).

- 4- Provide examples of different materials that may be used for the manufacturing of BMX bike pedals and describe advantages and disadvantages of each material. (20 POINTS).