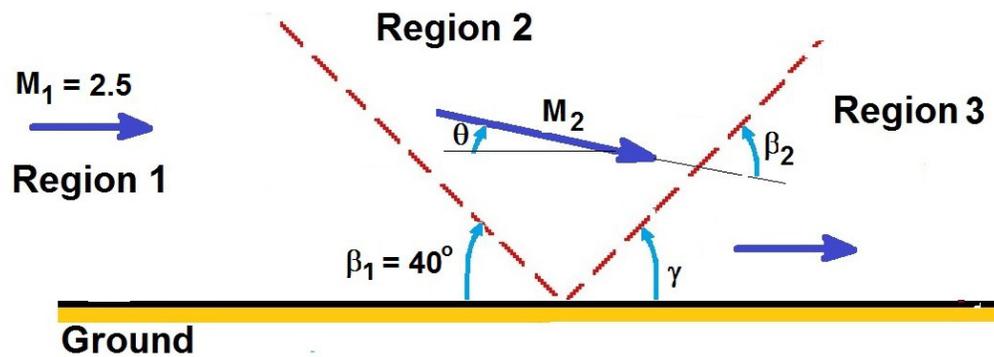## Problem 354D

An oblique shock wave at an angle $\beta_1 = 40°$ to a supersonic flow of Mach number 2.5 reflects from a flat wall as shown below:



Find the inclination of the reflected shock and the Mach number downstream of that reflected shock.