9.64 A turbulent boundary layer develops from the leading edge of a flat plate with water at 20°C flowing tangentially past the plate with a free-stream velocity of 5 m/s. Determine the thickness of the viscous sublayer,

 $\delta'$ , at a distance 1 m downstream from the leading edge. Would a roughness element 100  $\mu$ m high affect the local skin friction coefficient? Why?