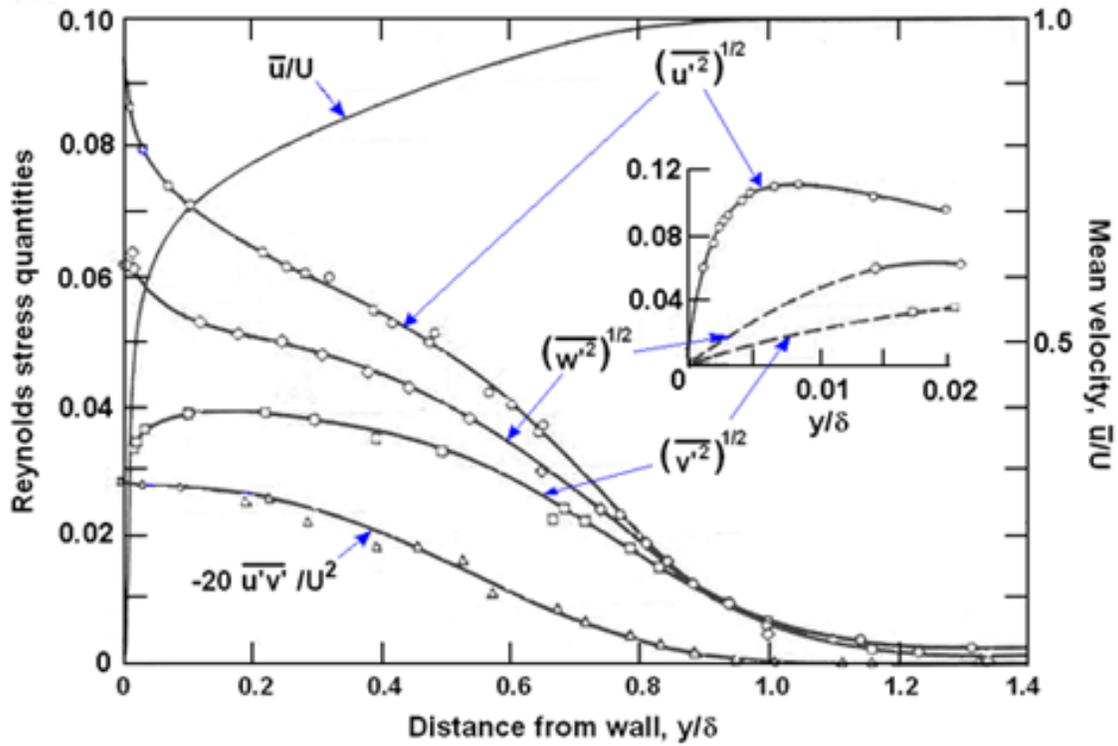


Problem 268B

Using the data in the graph below estimate the value of the “universal constant”, κ , at positions, $y/\delta = 0.1, 0.2, 0.4, 0.6, 0.8$ in the turbulent boundary layer.



What is the ratio of the mixing length, ℓ , to the boundary layer thickness, δ , at these distances from the wall ?