1. From the Bonan textbook, do the following review questions:

13.1, 13.7, 13.8, 14.1, 14.2, 14.4, and 14.5

1. Use the equations outlined in sections 14.5 – 14.7 in the textbook (pages 208-212) to compute the aerodynamic resistance to heat transport as a function of different average wind speeds. Assume the roughness length for heat *z0H* = 0.1 m, and let the zero-plane displacement height *d* = 0.

Let the average wind speed 10 m off the ground vary from 0.2 m s-1 to 5 m s-1.

Make a plot of *rH* vs mean wind () for the each of the following conditions:

1. sensible heat flux *H* = 0 W m-2 (neutral stability)
2. sensible heat flux *H* = +10 W m-2 (slightly unstable)
3. sensible heat flux *H* = -10 W m-2 (slightly unstable)