

Homefun 13

I Like the Atmosphere Here

MATH 150
10 points

Directions: Work in groups of 2 to 4 in class and then finish outside of class as necessary. Each group should submit **ONE** solution page for the group. (Be sure everyone's name is on it!)

An exponential model works fairly well for the density of a planet's atmosphere.

1. Look up the density of Earth's atmosphere at sea level.
2. Look up the density of Earth's atmosphere at the 10,000 meters.
3. Create an exponential model for Earth's atmosphere using the data you found.
4. Discuss any limitations of this model that occur to you.