

Data & Calculations for Estimating the Height of the Capitol Building

(Including the Statue on the Dome)

Data to Collect Outside

Estimated Distance to the Door (to the nearest foot)	Member 1:
	Member 2:
	Member 3:
Estimate of $\angle (A + B)$ (to the nearest degree)	Member 1:
	Member 2:
	Member 3:

Calculations to be Computed Inside

(means should be computed from your group's data and should be used to calculate the other distances in the table below)

	<i>Details of Calculation</i>	<i>Estimate (to the nearest foot or degree)</i>
Mean Estimated Distance to Door		
Mean Estimate of $\angle (A + B)$		
Horizontal Distance from Observer's Eyes to Door		
Horizontal Distance from Observer's Eyes to Center of Dome		
Vertical Distance from Observer's Eyes to Top of Statue		
Height of Capitol Building (Including Statue)		

Mean Estimate of the Height of the Capitol Building: _____