

Lenses and Telescopes: ANSWER SHEET

Name: _____

Partner(s): _____ Instructor: _____

A1: Lens 1

Object Height: _____

	1	2	3
Object Distance			
Image Distance			
Enlarged or reduced			
Upright or inverted			
Focal length			

Average focal length: _____

A2: Lens 2

	1	2	3
Object Distance			
Image Distance			
Enlarged or reduced			
Upright or inverted			
Focal length			

Average focal length: _____

A3: Magnifier

Record the distance when a clear image is first seen as the object is moved closer.

Describe your observation. Is the image upward or inverted?

B. Angular magnification of telescope

Measured angular magnification: _____

Calculated angular magnification: _____

How well do your measured and calculated magnification values agree with each other?