
Exercise A4: Measuring Angles in the Sky

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: The angular distance between Merak and Dubhe is:

- a. $5^{\circ} 22' 25''$
- b. $10^{\circ} 05' 17''$
- c. $5^{\circ} 0' 0''$
- d. $10^{\circ} 13' 41''$

Question 2: The angular distance of Polaris from the zenith is approximately:

- a. 38°
- b. 44°
- c. 47°
- d. 52°

Question 3: The Moon's diameter is approximately:

- a. 10'
- b. 15'
- c. 20'
- d. 30'

Question 4: The calculated diameter of Mars on August 28, 2003 is:

- a. 1900 km
- b. 3260 km
- c. 6510 km
- d. 6790 km