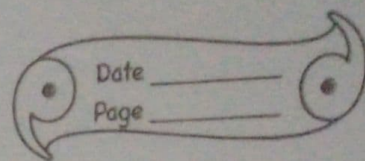


cw
23/8/21

Homework

PHYSICS



- 1 a) magnitude of satellites acceleration at point C is larger than magnitude of satellites acceleration at point A.
- b) The satellites speed at point C is larger than its speed at A.
- c) Acceleration component a_i at point A will be negative and component a_j will be 0.
- d) Acceleration component a_j at point B will be 0 and acceleration component a_i at point B will be negative.
- e) Acceleration component a_j at point C will be zero/0 and acceleration component a_i at point C will be positive.
- f) If the satellite move in anti-clock wise direction, the acceleration component will be different.

Home Assignment

1) b) 12500 M

2) a) At poles of Earth

3) a) 5 second

4) c) 8T.