WEEK: _____   **PROBLEM:** _____
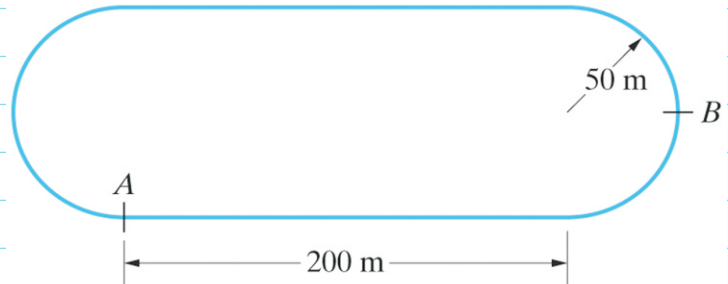
GIVEN:

In the preliminary design of a sun-powered car, a group of engineering students estimates that the car's acceleration will be 0.6 m/s^2. Suppose that the car starts from rest at A and the tangential component of its acceleration is $a_t = 0.6$ m/s^2. What are the car's velocity and acceleration in terms of normal and tangential components when it reaches B?

50 m

B

A

200 m

REQUIRED:

SOLUTION: