



NAME

DATE

**PROBLEM: AP-1**

**GIVEN:**

When a train is traveling along a straight track at 2 m/s, it begins to accelerate at  $a = (60 v^{-4}) \text{ m/s}^2$ , where  $v$  is in m/s. Determine its velocity  $v$  and the position 3 s after the acceleration.



**REQUIRED:**

**SOLUTION:**