P3.8-2) A truck starts from rest on a road with a constant radius of curvature (ρ = 50 m). The truck increases its speed at a constant rate until it reaches 10 m/s after 5 seconds. Determine the total acceleration of the truck 4 seconds after it starts increasing its speed.	
Given:	
<u>Find:</u>	
Solution:	
Determine the car's tangential acceleration.	What is the truck's total acceleration?
$a_t = \dot{v} = $	
What is the truck's speed at 4 seconds?	
	a =
$v_{t=4} = \underline{\hspace{1cm}}$	