Math 223	Spring 97–Sec. 11	Name:	Please, be neat and
Quiz # 5	Alberto Corso		show all your work;
			circle your answer.

1. An object moves along a straight line so that after t minutes, its distance from its starting point is $D(t) = 10t + \dfrac{5}{t+1}$ meters.

   1. At what speed is the object moving at the end of 4 minutes?
   2. How far does the object actually travel during the fifth minute?

pts: /5

2. An efficiency study of the morning shift at a certain factory indicates that an average worker arriving on the job at 8:00am will have assembled

$$f(x) = -x^3 + 6x^2 + 15x$$

transistor radios x hours later. Approximately how many radios will the worker assemble between 9:00am and 9:15am?

pts: /5

grade: /10