"QUIZ" for Lecture 5

NAME: (print!) Anglica Armstrang Section: 23

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q5FirstLast.pdf) ASAP BUT NO LATER THAN Sept. 21, 8:00pm

1, Find the curvature for

2.: Find the velocity, acceleration, and speed of a particle with the given position function.

$$\mathbf{r}(t) = t\,\mathbf{i} + t^2\,\mathbf{j} + 5\,\mathbf{k} \quad .$$

$$\Gamma'=i+3+j+0K=velocity$$
 $|\Gamma'|=112+3+3+03=13+3+1=speed$
 $\Gamma''=0i+3j+0K=acceleration$