"QUIZ" for Lecture 6

 NAME: (print!)
 Aayushi Kasera
 Section:

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q6FirstLast.pdf) ASAP BUT NO LATER THAN Sept. 24, 8:00pm

1. Find the limit if it exists, or show that the limit does not exist.

$$\lim_{(x,y)\to(0,0)}\frac{2x}{2x+3y}$$

.

Since the limit depends on the slope, it doesn't exist

2. Find the limit if it exists, or show that the limit does not exist.

det y = (n) $lim \frac{2n}{(n-1)}$ 2n+3(n)

$$\begin{aligned}
\lim_{(x,y)\to(0,0)} \frac{x^5}{x^2+y^2} \\
\frac{y^5}{x^2+y^2} \\$$