

MATH 101-20 (111)
QUIZ # 3

NAME: ID. #:

Q1 Find the limit

$$\lim_{y \rightarrow 0} \frac{\sin 3y \cot 5y}{y \cot 4y}$$

Q2. Find $dr/d\theta$ where:

$$r = \frac{\sin \theta + \cos \theta}{\cos \theta}$$