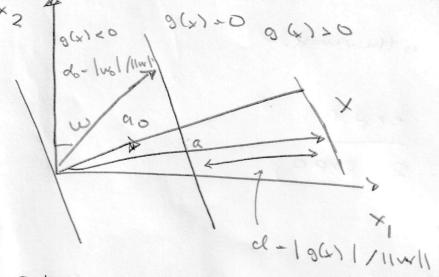
TITH 580-645

2.) FOR TWO-DIMENSIONAL CASE OF FIGURE 10.2 Show EQUATIONS 10.4 and 10.5

SOLUTION

- USE FIGURE 40.1



take to on the hyperplane, the angle between to and the wis as and because it is an hyperplane,

110011

For any x w/ angle a to w,

$$\frac{\partial}{\partial x} = \frac{\partial}{\partial x} + \frac{\partial}{\partial x} = \frac{\partial}{\partial x} \frac{\partial}{\partial x} + \frac{\partial}{\partial x} \frac{\partial}{\partial x} = \frac{\partial}{\partial x} \frac{\partial}{\partial x} + \frac{\partial}{\partial x} \frac{\partial}{\partial x} = \frac{\partial}{\partial x} \frac{\partial}{\partial x} + \frac{\partial}{\partial x} \frac{\partial}{\partial x} +$$