Name: _____
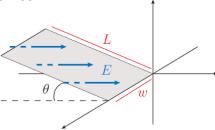
Class 4.   Electric Flux

An electric field with magnitude E_0 = 8 V/m is passing through a leaning plane with length L = 2 m and width w = 5 m. θ = 60°.

(a)   Calculate the electric flux through the plane in Nm²/C.

(b) At what angle of θ would the electric flux be maximized?

(c) At what angle of θ would the electric flux be 0?