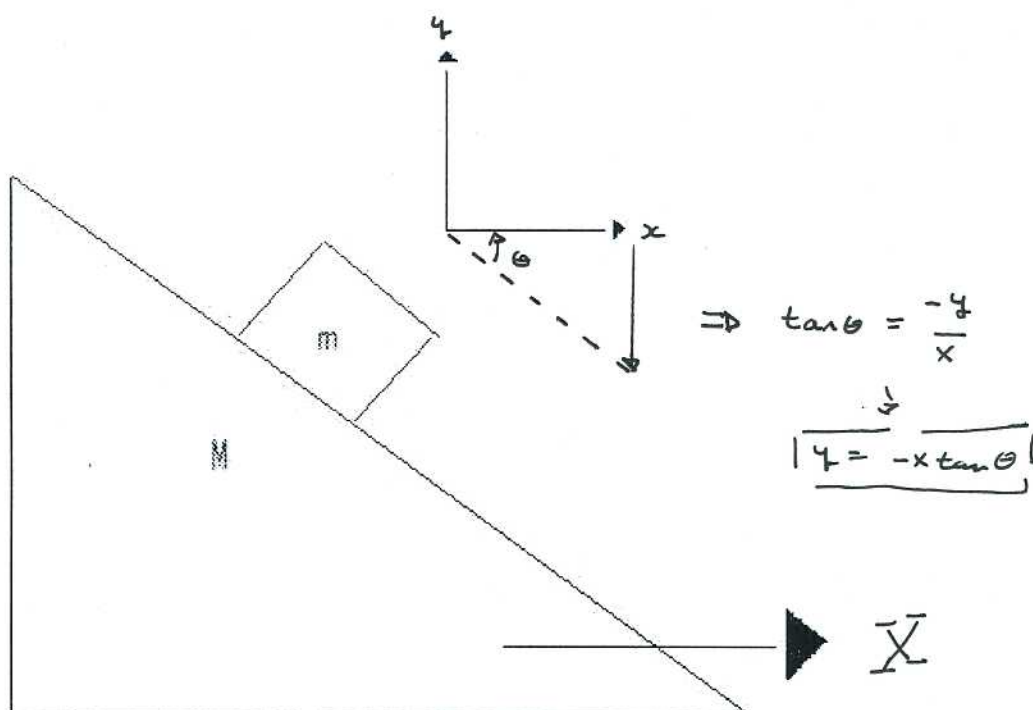


Problem 8. Moving Plane - Figure

\bar{X} \equiv defines position of plane of mass M ; ONLY ONE COMPONENT

(x, y) \equiv defines position of block of mass m , relative to the plane



Horizontal Position of m = (Position relative to wedge)

+ (Position of wedge)

$$= x + \bar{X}$$

VERTICAL POSITION of m = (Position relative to wedge)

+ (Position of wedge)

$$= y + 0 = -x \tan \theta$$