## Rigid Body F=ma Intro (Gen Plane): Example 1

(This is a general intro problem to the RB motion equations) A 40 lb, 2 ft square plate rests on a frictionless surface. Two forces ( $F_x = 15$  lb and  $F_y = 10$  lb) are applied to it as shown. Please determine the plate's: (a)  $a_{Gx}$ ; (b)  $a_{Gy}$ ; (c)  $\alpha$ .



