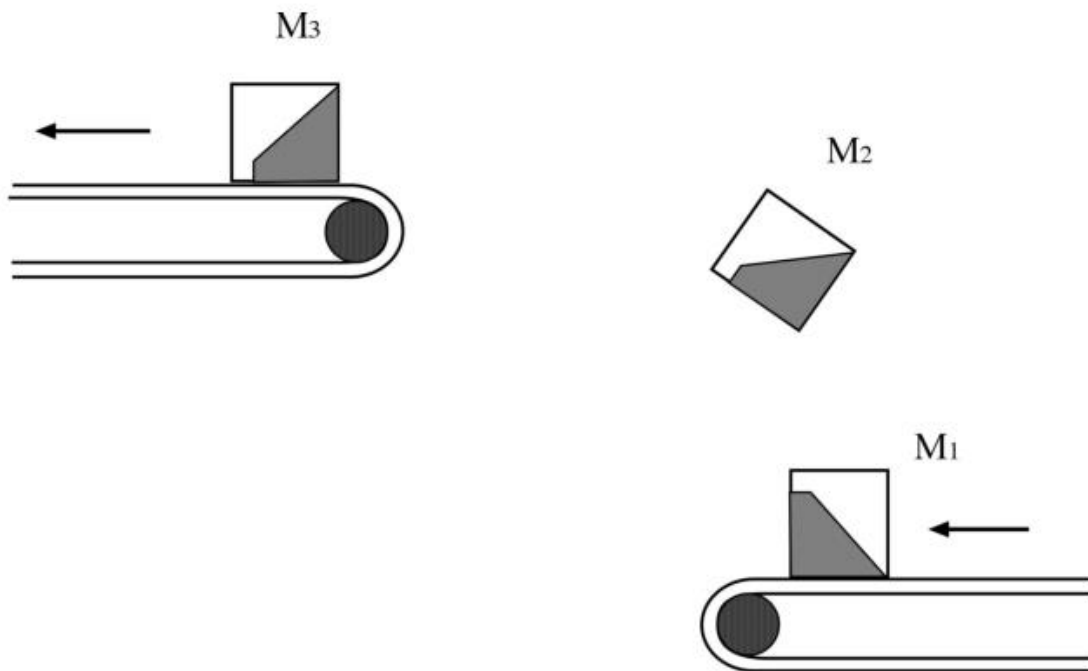


## ME 3320 Quiz #2

1. **(40 points) Graphical synthesis in the plane:** Design a four-bar linkage to move the object through the three positions shown in the figure. Pick moving pivot A in the dark corner and moving pivot B in the opposite corner.



2. (60 points) **Algebraic synthesis in the plane:** Design one RR chain (ONLY ONE) to move the block from position 1 (M1) to position 3 (M3) (Consider **only two positions**, M1 and M3). Select moving pivot  $\mathbf{a} = (1,0)$  (with respect to the moving frame depicted in Position 1).

