A Va

 G

 ø

 B

 Va

 Point A of the link BA has a downward velocity of Va = 2 m/s during an interval of it’s motion. For the position where ø = 30 degrees determine the angular velocity W of AB and determine the velocity (Vg) of the midpoint G of the link..

Solve the relative velocity equations using :

A a vector polygon

B vector algebra