An external B-field acts upwards (B=2T). A square-formed coil with the measures (a=10cm, b=20cm) moves (constant speed) at an angle of 60 Degrees into this field.

- Calculate the **magnetic flux** at every position (pos …)
- At which position and why will a voltmeter show **potential difference** in the loop?

pos *I*

pos *II*
(loop is half covered by B)

pos *III*

60Deg

B

a

b

V