

Final Exam, Spring 2006: Problem 3 (Rigid Body Kinematics)

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3. (25 points) Shown below is a disk rolling without slip upslope. Please write, as polar or Cartesian vectors:

(a)  $\mathbf{v}_C$

(b)  $\mathbf{a}_C$

(c)  $\mathbf{v}_B$

(d)  $\mathbf{a}_B$



