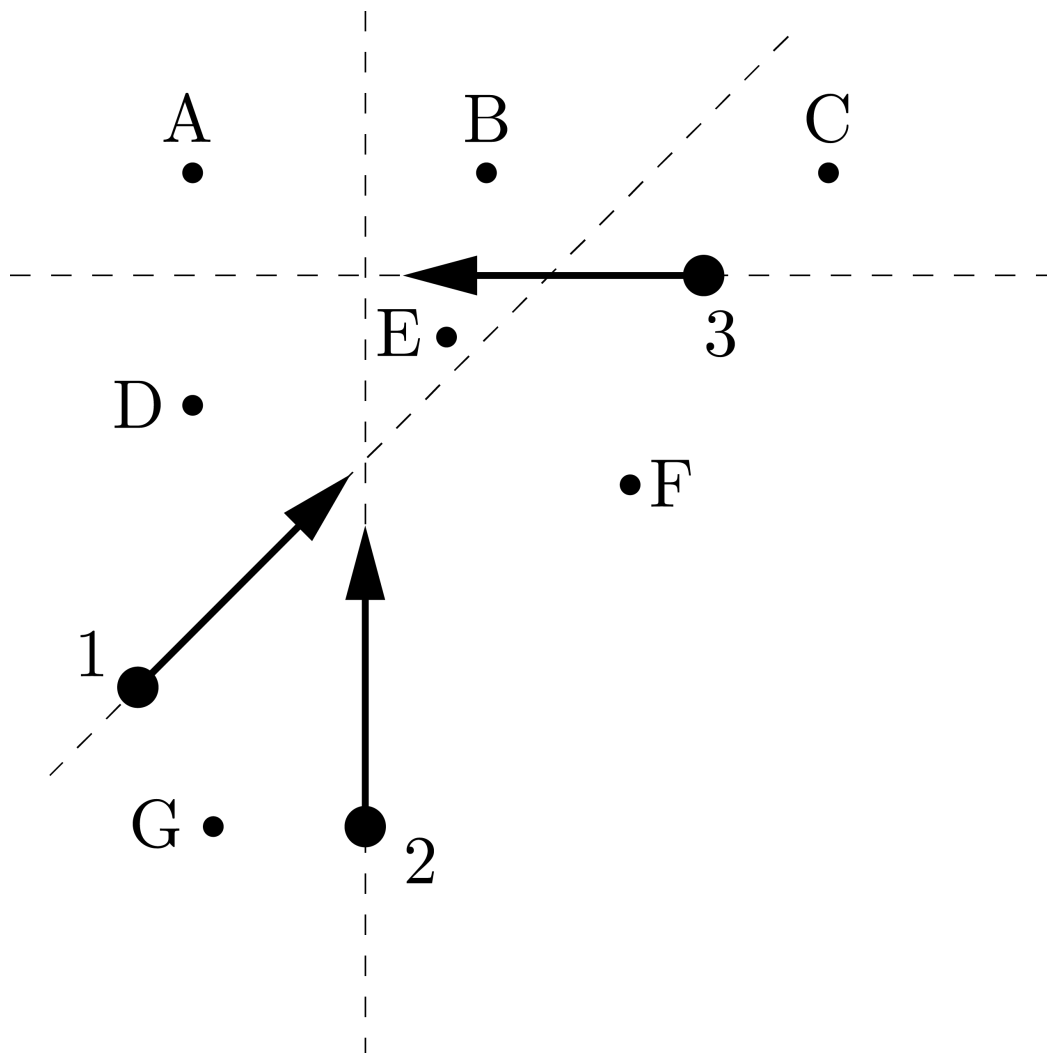


## Chapter 12 through 12.1, Grasping and Manipulation

Graded Assignment • 1h

[← Back](#)English ▼ Due May 21, 11:59 PM PDT

1 point



1. In the figure above, three stationary contacts, labeled 1, 2, and 3, are acting on a planar rigid body (not shown). Each contact is drawn as a large dot (where the contact occurs) and an arrow in the normal direction pointing into the body. Also shown is the line on which the normal vector lies, drawn as a dashed line. The figure also shows seven points in the plane, labeled A through G.

The cone of twists for the body that respect the contact constraints can be represented using centers of rotation. In that representation, each point in the plane either gets a  $+$  label, a  $-$  label, or no label.