IME 408 – Homework 3; Due August 11

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**Positioning**

1. In a Cartesian coordinate system, how many data points are necessary to define position and orientation?

6 points are needed.

b) What are they?

1) x

2) y

3) z

4) roll

5) pitch

6) yaw

1. Name Three Types of Robotic Coordinate Systems
2. cartesian

1. joint
2. Tool