Lab 1 Questions

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Instructions. Print your name at the top of the page. Turn in this sheet at the end of lab: your lab grade will be based on your answers.

Question 1.

- How many joints does this robot have?
- What type of joints are they?
- How many degrees of freedom does this robot have?
- Is it a serial robot or a parallel robot?

Question 2.

Question 3.

- Is the direction of θ_1 aligned?
- Is the direction of θ_2 aligned?
- Is the direction of θ_3 aligned?

Question 4. Write the bias (i.e., the offset) for each joint:

Question 6.

- Minimum / maximum of θ_1 [in radians]:
- Minimum / maximum of θ_2 [in radians]:
- Minimum / maximum of θ_3 [in radians]:

Question 7. You can use the back of this page if you need extra space.