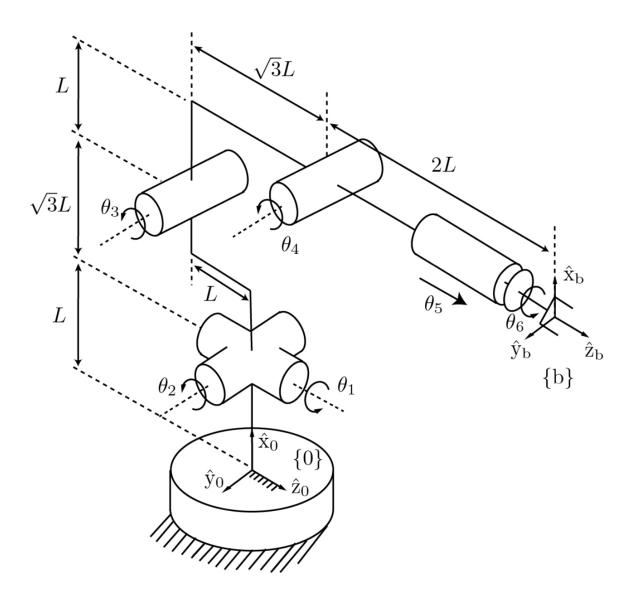
## Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

Go to next item

 $\textbf{1.} \quad \text{The URRPR spatial open chain robot is shown below in its zero position.}$ 

1/1 point



For L=1, determine the end-effector zero configuration M. The maximum allowable error for any number is 0.01, so give enough decimal places where necessary.

Write the matrix in the answer box and click "Run":

 $\begin{bmatrix} 1.11 & 2.22 & 3.33 \\ 4.44 & 5.55 & 6.66 \\ 7.77 & 8.88 & 9.99 \end{bmatrix}$  for  $\begin{bmatrix} 1.11 & 2.22 & 3.33 \\ 4.44 & 5.55 & 6.66 \\ 7.77 & 8.88 & 9.99 \end{bmatrix}$ 



2. Referring back to Question 1, determine the screw axes  $S_i$  in  $\{0\}$  when the robot is in its zero position. Again L=1. Give the axes as a 6x6 matrix with the form  $[S_1,S_2,\ldots,S_6]$ , i.e., each column is a screw axis. The maximum allowable error for any number is 0.01, so give enough decimal places where necessary.

1 / 1 point

