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RBE3001 C21

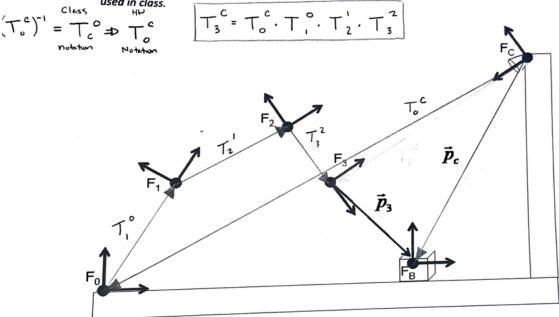
Homework 2

2/10/2021

## **Question 1:**

Question 1A:

a. On the figure below (or a redrawn figure if you prefer) clearly show and label all necessary intermediate transformations between frames. You must label all relevant the coordinate frames, vectors, and transformations. Be sure to define your notation if different than the one



Questions 1B through 1D:

b) 
$$T_3 = T_0 \cdot T_2 \cdot T_3$$
  
c)  $T_B = T_0 \cdot \vec{p}_c$   
d)  $\vec{p}_3 = [T_3] \cdot T_B \Rightarrow \vec{p}_3 = T_0 \cdot T_B$