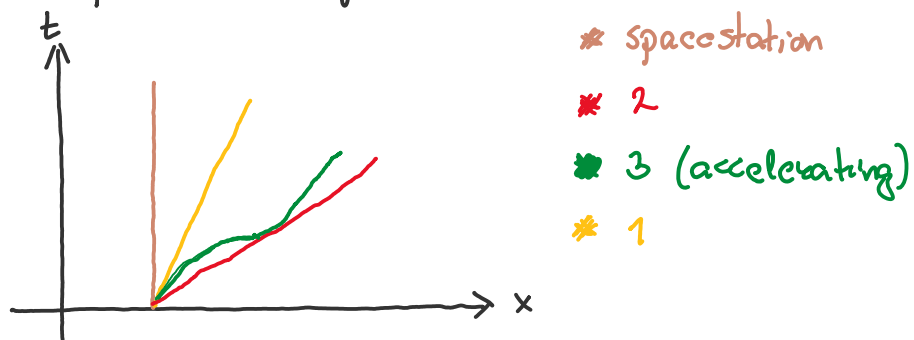# Exercise 4

Monday, November 23, 2020   12:09 PM
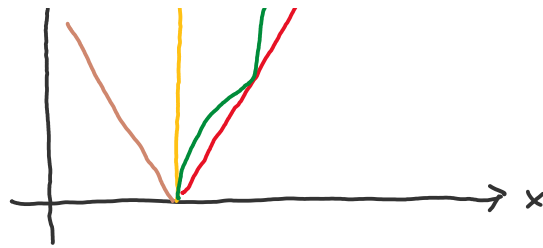
1. Done!

2.   frame of spacestation:
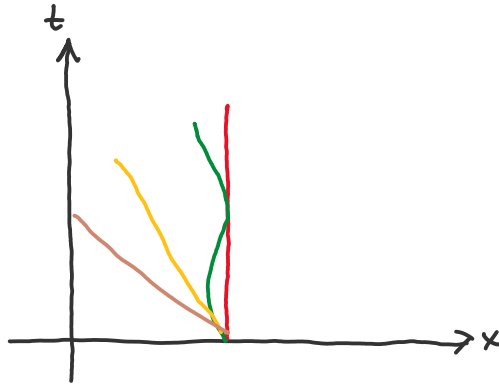

* spacestation
* 2
* 3 (accelerating)
* 1

t frame of 1

frame of 2

frame of 3 (accelerating)

They probably
need to be
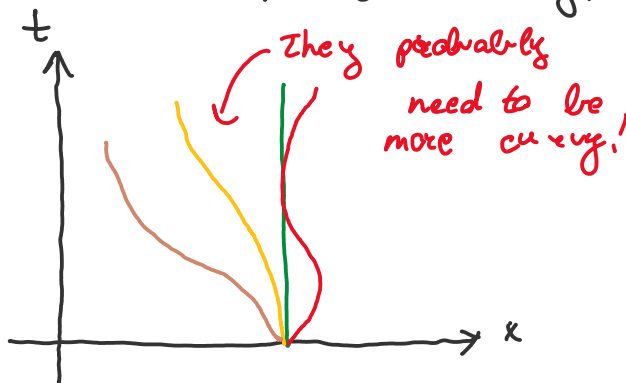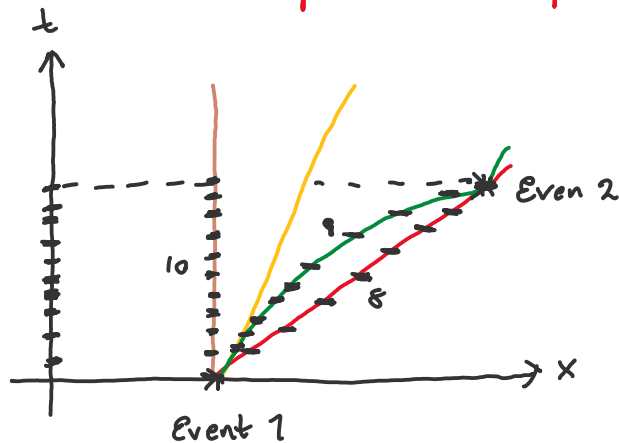more curvy!

3. Yeah They seem to be
pretty chill about my
diagrams.

4. Ok.

5. Yeh did that in ref {2}. ☺

Event 1: $x = 0$ All spaceships

$t = 0$ aligned!

Even 2:   spaceship 3 catches

up   with   ship 2.

Event 1

8.   Maximum aging states that
straight line takes longer time
that curvy line between 2
points in space time, because
of non-Euclidean geometry!

Therefore : $\tau_3 > \tau_2$