

Exercises : 4.4, 4.7, 4.11, 4.12

• 5.33 (d)

• 4.72

• 4.8

• If you have time:

Start looking at questions from previous exams that belong to the material we have already covered.

Also, if you haven't received your feedback of HWs (1), (2), (3), or (4), please come by us to pick them up.

About the Homework:

You may choose to either do the HW today[⊗] at 10:00

or do the HW upcoming Wednesday at 16:00

⊗ If you wish to do it today, please spread out at the back of the room before 10:00.

Additionally, in ex. (e) of HW 6, it states you may use (a) of HW this should be (a) of HW 4 we believe, but we've mailed Marius to

4 (a): The following are vectorfields on S^2 .

$$\begin{cases} X^1 = z \frac{\partial}{\partial y} - y \frac{\partial}{\partial z} \\ X^2 = x \frac{\partial}{\partial z} - z \frac{\partial}{\partial x} \\ X^3 = y \frac{\partial}{\partial x} - x \frac{\partial}{\partial y} \end{cases}$$