

Name: \_\_\_\_\_

PHYS 4031, FS 2018

**Homework 7**

**Due:** Start of class, December 7<sup>th</sup>

1. Construct a study sheet covering the key takeaways from the sections of the course. The six sections are: Vector Calculus, Electric Potentials, Electric Fields, Electric Fields in Matter, Magnetic Fields, and Magnetic Fields in Matter. For each section, it is expected that the main formulae will be recorded, possibly with a simple example showing how they are used. Important physics concepts (e.g. no magnetic monopole) should also be written.

**[12pts]**