

**Honors Calculus, Math 1451- HW 7 Questions (1) and (2) are due Thursday April 14, while Questions (3), (4) and (5) are due Thursday April 21.**

**Dr Matthew Nicol, PGH 665**

(1) Integrals in cylindrical coordinates (Section 15.7)

Questions in 15.7: 4, 6, 20, 22.

(2) Integrals in spherical coordinates (Section 15.8)

Questions in 15.8: 6, 8, 12, 14, 24, 34, 36

(3) Vector Fields (Section 16.1)

Questions in 16.1: 6, 8, 12, 14, 24, 34, 36

(4) Line integrals (Section 16.2)

Questions in 16.2: 4, 6, 8, 12, 18, 22, 32, 34, 42, 48

(5) Conservative Fields

Questions in 16.3: 4, 6, 8, 12, 14, 20, 24, 34