

Math 4200-001  
Week 5 concepts and homework  
2.1-2.2  
Due Wednesday September 25 at start of class.

2.1 2ac, 3, 5, 10, 11, 13, 14;

2.2 1ad, 2 (prove with FTC!), 3, 4, 5, 6, 8, 9, 10.

Hint: In many of these problems the fundamental theorem of Calculus for contour integrals lets you find the answer very quickly if you can find an antiderivative on an appropriate (and possibly but not necessarily branched,) domain.