

1–4 (10 pts total) Do problems #5-8 from Gamelin III.5 (p. 89).

5 (5 pts total) Gamelin V.3.1 (p. 143). (Do all parts, but there is no need to write a long proof; a quick calculation suffices.)

6 (5 pts total) Gamelin V.3.2 (p. 143). (Do all parts, but there is no need to write a long proof; a quick calculation suffices. Don't forget to consider the boundary.)