

- 1** (3 pts) Do problem 1 (all parts) from Gamelin V.7 (p. 157).
- 2** (2 pts) Do problem 2 from Gamelin V.7 (p. 157).
- 3** (3 pts) Do problem 13 from Gamelin V.7 (p. 158).
- 4-5** (4 pts) Do problems 1 and 2 (2 pts each) from Gamelin IX.1 (p. 261).
- 6-7** (6 pts) Do problems 6 and 8 (3 pts each) from Gamelin IX.1 (p. 262).
- 8** (2 pts) Suppose f and g are analytic in \mathbb{C} and $|f(z)| \leq |g(z)|$ for all z . Prove there exists a constant c so that $f(z) = cg(z)$ for all z .