

1. Every non-constant entire function is unbounded.

True False

2. If a sequence of holomorphic functions converges on an open set, then the limit function is holomorphic.

True False

3. If f is holomorphic in an open set containing the closed disc $\overline{D}(0, r)$, and $|f(z)| \leq M$ for all points z in this disc, then

$$\left| \frac{\partial^k f}{\partial z^k}(P) \right| \leq \frac{M k!}{r^k}$$

for every positive integer k and for every point P in this disc.

True False

4. The first examination is scheduled for Monday, September 29, 2003.

True False

5. The person sitting closest to you knows how to prove Morera's theorem.

True False

6. There is more than one joke on this quiz.

True False