

Math 2415

Concept Quiz Questions on 14.7 (Global Max/Min)

1. Draw an example of a closed and bounded domain in the plane.
2. Draw an example of a domain in the plane that is not closed.
3. Draw an example of a domain in the plane that is not bounded.
4. Write down a three-step strategy to find the absolute maximum and absolute minimum of a function $z = f(x, y)$ on a closed and bounded domain, D .