Reading Outline, §2.6

Vocabulary/Definitions

- Differentiability
- Conditions under which a function will not be differentiable
- Does continuity imply differentiability?
- Does differentiability imply continuity?

Understand

1. Where is the function $f(x) = |x^2 - 4|$ not differentiable?

2. Show by using the definition of the derivative that $f(x)$ is not differentiable at one of the points you identified in (1).