

Assignment 7

Coverage: 16.1 in Text.

Exercises: 16.1 no 12, 13, 15, 21, 25, 27, 29, 34.

No need to hand in any homework.

Supplementary Problems

1. Let f be a function on $[a, b]$. Verify that the parametric curve $x \mapsto x\mathbf{i} + f(x)\mathbf{j}$ is regular provided f is continuously differentiable on (a, b) .
2. Let \mathbf{c} be a regular parametric curve on $[a, b]$. Find a parametric curve γ whose image is the same as \mathbf{c} but reverse the orientation.