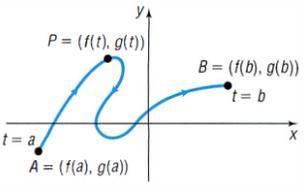


MATH 147 Review: Parametrization of Arcs/Lines

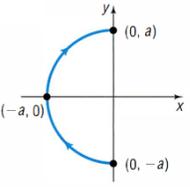
Facts to Know

Plane curve

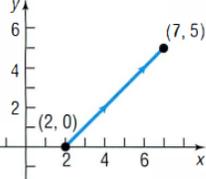
Parametrization



Circle arc



Line segment



Examples

1. Draw a plane curve that is simple and that is not closed.
2. Draw a plane curve that is not simple and that is closed.
3. Parametrize the circle centered at $(2, 1)$ with radius 3 with a counter-clockwise orientation.
4. Parametrize the triangle with vertices located at $(1, 1)$, $(1, 0)$, and $(0, 1)$ with a counter-clockwise orientation. You are allowed to partition the curve into pieces and parametrize each piece.