MATH 1080 Vagnozzi

12.1: Parametric Equations

Learning Objectives. Upon successful completion of Section 12.1, you will be able to...

- Graph and describe parametric equations and eliminate the parameter to find equations in x and y.
- Find parametric equations for a given description of a curve.
- Solve applications involving parametric equations.
- Differentiate parametric equations.
- Find the slopes and equations of tangent lines to a parametric equation.
- Find the arc length of a parametric curve.
- Answer conceptual questions involving parametric equations.
- Find the area under a parametric curve.
- Find the area of a surface of revolution of a parametric curve.

Title