

5. Hydrostatic Force

- Compute hydrostatic force (in metric units) against a rectangle, triangle, trapezoid, or circle. (Section 8.3 Example 1–2)

6. Separable Differential Equations

- Solve a first order differential equation with initial conditions. (Section 9.3 Example 1–3)

7. Parametric Equations

- Find the slope of the tangent line at a point on a parametric curve. (Section 10.2 Example 1–2)
- Find the area bounded by a parametric curve. (Section 10.2 Example 3)

8. Polar Equations

- Find the slope of the tangent line at a point on a polar curve. (Section 10.3 Example 9)
- Find the area bounded by a polar curve. (Section 10.4 Example 1–2)