

Topics for Test 3

Test 3 will be on Fri Apr 29 during our regular class time. The test will have 6 multi-part questions and you will have 80 minutes to write the test.

- ◆ Questions one and two will cover basic techniques of integration:

- 5.5: Substitution Rule
- 6.1: Integration by Parts
- 6.2: Trigonometric Integrals and Substitutions
- 6.3: Partial Fractions

To review these topics refer to the suggested practice material for Test 2.

- ◆ The remaining questions will be on material covered after Test 2:

- 6.5: Approximate Integration (Midpoint, Trapezoid, Simpson's Rule)
- 6.6: Improper Integration
- 7.1: Area Between Curves
- 7.2: Volumes
- 7.5: Applications to Physics and Engineering (topic of Work only)
- 7.6: Differential Equations

I will post suggested review material by Fri Apr 22.