

AP Review Session Problems

Day 1 – Derivatives

- 1998 AB MC #8, 10, 16, 28, 77, 87
- 1998 BC MC #5, 87, 92

Day 2 – Integration, FTC, Reimann Sums, and functions defined as an integral

- 1998 AB MC #3, 5, 7, 11, 15, 20, 82, 85, 88
- 1998 BC MC #7, 11, 82, 85
- 2004 AB3(B), 2001 AB2, 2008 AB3(B), 1999 AB3, 2005 AB4(B), 2006 AB3, 2004 AB5, 2002 AB4

Day 3- Limits, continuity, differentiability, IVT, MVT

- 1998 AB MC #4, 12, 13, 26, 27, 76, 81, 83, 91
- 1998 BC MC #12, 13, 79
- 2007 AB3

Day 4 – Position, velocity, and acceleration, and other integral applications

- 1998 AB MC #9, 14, 24
- 1998 BC MC #9, 10, 90, 91
- 2008 AB2(B), 2005AB3(B), 2007 AB2(B), 2011 AB1, 2008 AB3, 2007 AB2, 2009 AB2(B), 2010 AB1

Day 5 – Implicit Differentiation and Related Rates

- 1998 AB MC #6, 18, 78, 90
- 1998 BC MC #3, 20, 78, 81
- 2002 AB5, 2002 AB6(B), 1998 AB6,

Day 6 – Max, min, infl pts, concavity and the relationship between the graphs of f , f' , and f''

- 1998 AB MC #1, 17, 19, 22, 23, 79, 80, 89
- 1998 BC MC #1, 6, 16, 17, 23, 88
- 2007 AB4(B), 2000 AB3, 2005 AB4, 2004 AB4(B)

Day 7 – Integration Techniques

- 1998 BC MC #4, 15

Day 8 - Area and volume (washers, discs, and shells)

- 1998 AB MC #2, 25, 86
- 1998 BC MC #80, 86
- 2011 AB3(B), 2010 AB4, 2010 AB1(B), 2009 AB4(B)

Day 9 – Separable DE, slope fields, and Euler's Method

- 1998 AB MC #21, 84
- 1998 BC MC #8, 24
- 2005 AB6(B), 2004 AB5(B), 2007 AB5(B), 2004AB6
- 2008 BC6,

Day 10 – Misc BC Topics (Logistic Growth, Improper Integrals, L'Hopital's Rule, etc...) (BC)

- 1998 BC MC #2, 19, 21, 25, 26, 28, 77
- 2010 BC5, 2006 BC5(B), 2004 BC5(B), 2001 BC5,

Day 11 – Taylor Series (BC)

- 1998 BC MC #14, 18, 22, 27, 76, 83, 84, 89
- 2010 BC6(B), 2009 BC6(B), 2008 BC6(B), 2006 BC6(B), 2008 BC3, 2007 BC6(B), 2011 BC6(B), 2005 BC3(B), 2004 BC2(B)

Day 12 – Parametric, Vector, Polar (BC)

- 1999 BC MC (whatever ones are left)
- 2007 BC2(B), 2006 BC3, 2003 BC2, 2003 BC2(B), 2009 BC4 (B)