

Video Supplemental Instruction (V.S.I.) Program > Interactive Practice Exams

MAC 2233 Exam 2A Key

- 1) B (Tangent/Normal Lines)
- 2) E (Separating Fractions, Power Rule)
- 3) A (Distance, Velocity, and Acceleration)
- 4) B (Tangent/Normal Lines, Product Rule, Chain Rule)
- 5) A (Avg. Rate of Change, Quotient Rule)
- 6) B (Tangent/Normal Lines)
- 7) D (Quotient Rule)
- 8) C (Distance, Velocity, and Acceleration)
- 9) C (Chain Rule)
- 10) E (Implicit Differentiation, Tangent/Normal Lines)
- 11) D (Chain Rule)
- 12) B (Tangent/Normal Lines, Continuity/Differentiability)
- 13) B (Quotient Rule)
- 14) B (Continuity/Differentiability)
- 15) A (Limit Definition of Derivative)
- 16) A (Derivative Graphs)

- 1) (Differentials)
 - a) \$7.50
 - b) increase by \$0.60
 - c) \$8.10
- 2) (Economic Quantities/Rates)
 - a) $-(x^2/25)+80x-100$
 - b) \$20/item
 - c) \$300/week
 - d) (1000,9000)
 - e) 1) $3x/10+10+100/x$
2) increasing by \$0.02
- 3) (Derivative Graphs, Avg. Rate of Change)
 - a) $x=1,3$
 - b) -1
 - c) 1
 - d) $f'(4)$
- 4) (Limit Definition of Derivative, Tangent/Normal Lines)
 - a) $-1/((x-2)^2)$
 - b) $y=-x+4$
 - c) graph question