

MAC 1105 EXAM II TOPICS (SU'09) (70 pts)

- 4.3 ① Sketch a quadratic function (parabola) (10)
- 4.4 ② Quadratic function word problem (10)
- 5.2, 5.3 ③ Sketch a rational function (15)
- 6.1 ④ Composite functions (10)
- 6.2 ⑤ One-to-one functions; Finding and sketching inverse functions (15)
- 6.3 ⑥ Graphing an exponential function (5)
- 6.3 ⑦ Application of exponential functions. (5)

EXAM II TOPICS (65 pts.)

- 6.4 ① Logarithmic and exponential forms (5)
- 6.4 ② Domains and intercepts of logarithmic functions (10)
- 6.4 ③ Logarithmic graph (5)
- 6.4 ④ Application of logarithmic functions (5)
- 6.5 ⑤ Properties of logs; change of base formula (10)
- 6.6 ⑥ Solving exponential and logarithmic equations (including formulas) (20)
- 6.7 ⑦ Regular and continuous compound interest. (10)