

(MWF, 65 points)  
MAC 1114 EXAM III TOPICS

8<sup>th</sup> Ed.

- 8.5 ① Using double-angle and half-angle formulas. (10) 8.6
- 8.5 ② Prove identity involving double angles. (10) 8.6
- 8.5 ③ Derive formula for  $\cos 3x$  or  $\sin 3x$ . (10) 8.6  
(See notes, printout)
- 8.6 ④ Using sum-product and product-sum formulas. (Don't memorize these.) (10) 8.7
- 8.7, 8.8 ⑤ Trigonometric equations (25) 8.3

Ninth edition sections are in red.