

## Math 217 Practice Exam 2008/03 solution

1. D 2.B 3.D 4.D 5.F 6.C 7.C 8.E 9.B 10.C 11.E 12.C 13.F

14. a)  $W = 1$

b)  $x'' + 9x = 100 \cos 3t$

c)  $x(t) = A \cos 3t + B \sin 3t + \frac{100}{6}t \sin 3t$