

ANSWERS to the Midterm I for Math 141, Spring 2003

1.b

2.a

3.d

4.c

5.b

6.b

7.b

8.c

9.a

10.a

11.  $x^{\sin x} \left( \frac{\sin x}{x} + \cos x \ln x \right)$

12.  $\ln |x| - \frac{1}{x} + \frac{3}{2} \ln(x^2 + 1) - 4 \arctan x + C$

13.  $-2\sqrt{x} \cos \sqrt{x} + 2 \sin \sqrt{x} + C$

14.  $\frac{x}{25\sqrt{25-x^2}} + C$