

Calc 2 - Test 3 - ANSWERS

WINTER 1990

Pat Rossi

Name _____

1. $\frac{1}{3} \ln|x^3 + 18x| + C$

2. $e^{(\sin(x)+\cos(x))} \cdot (\cos(x) - \sin(x))$

3. $2x + \cot(x)$

4. \sim

(a) 2.4

(b) 3.6

(c) 1.8

5. $\frac{1}{3}(e^3 - e)$

6. $\frac{2}{3}[2\sqrt{2} - 1]$

7. 3150 ft lb

8. $\pi \frac{19,000,000}{3}$ lb-ft

9. $\frac{98}{3}$

10. $\frac{3}{4}Nm$