

Calc 2 - Test #2 - ANSWERS

WINTER 1989

Pat Rossi

Name _____

Answers.

Solutions follow the answer section.

1. $\frac{1}{2}x^6 - \frac{1}{2}x^4 - 2x + C$

2. $-3 \cot(x) + \sec(x) + \frac{1}{2} \cos(x) + C$

3. $-\frac{2}{3}(4x^3 + 6)^{-\frac{1}{2}} + C$

4. $-4 \sin(\tan(4x)) \sec^2(4x)$

5. $3[\sec(4x^2)]^2 \cdot [\sec(4x^2) \tan(4x^2)](8x)$

6. $-3 \csc\left(\frac{x}{3}\right) + C$

7. $[E(x^4 - 3x)]^2 \cdot (4x^3 - 3)$

8. $-\frac{2}{\sqrt{\tan(x)}} + C$

9. $\sec(\sin(x)) + C$