

## Math 212 Quiz # 2 solutions

The Easter Bunny

November 9, 2007

*Hi kids! Corey asked me to write the solutions of your quiz because he's leaving for a conference in about 12 hours. Of course, I need to fly to the north pole and visit Santa and the tooth fairy at the same time, and so I'll have to make this brief. So although I'll miss my flight if I type everything, at least here are the answers, and I'll post a copy of the actual quiz so you can have that to study from as well. ROCK ON!!!*

1.  $\sqrt{(\ln(x) + 1)} \cdot \frac{1}{x}$ .
2.  $\frac{2}{x} - \frac{1}{x^2+1} \cdot 2x$ .
3.  $\frac{2}{5}(1-x)^{5/2} - \frac{2}{3}(1-x)^{3/2} + C$ .
4.  $-(4-x^2)^{1/2} + C$ .
5.  $\frac{4}{9}$ .