

- Total points: 10+10 quiz points.
- Show *complete work*—that is, all the steps needed to completely justify your answer.
- *Remember to simplify* your answers as much as possible.
- If you need extra space, work on the back and make a note on the front.

(1) Evaluate:  $\frac{d}{dx} \ln(\cos x) =$

- (2) Evaluate. (For full credit, do it without integrating. Partial credit if you integrate.)

$$\frac{d}{dx} \int_{x+1}^{x+2} \frac{1}{t} dt =$$