Quiz 5

Show all your work. Reasonable supporting work must be shown for any partial credit.

1. [2] Write down the integration by parts formula. That is, complete the equation below:

$$\int u\,dv =$$

2. For each of the following, identify the technique you would use to find the indefinite integral. For example, if you think substitution would work, write "substitution" and identify what u would be. If you think integration by parts, write "integration by parts" and identify what u and dv would be.

(a) [2] (WebHW7-1
$$\#4$$
)

$$\int \sin(t)\sqrt{1+\cos(t)}\,dt$$

(b) [2] (Week5MondayActivity#2)

$$\int \frac{(\ln(x))^2}{x^2} \, dx$$

3. [4] Evaluate one of the indefinite integrals above.