(1) Consider the following diagram:

We assume that $\odot O$ has radius 1, so that $|OP| = 1$ and $|OB| = 1$. We write $\theta = |\angle POA|$, so that $|OA| = \cos(\theta)$ and $|AP| = \sin(\theta)$.

(a) Compute the measures of the sides of $\triangle COB$.
(b) Compute the measures of the sides of $\triangle EOD$.
(c) What do tangent and secant lines have to do with the trigonometric functions called the tangent and secant?

(2) Write a paragraph on the advantages and disadvantages of online homework systems, paying particular attention to the points raised in class about WeBWorK, WebAssign, and MyMathLab. Personal experience and opinions are especially appropriate here.

(3) We discussed student difficulties with notation—especially correct manipulation of the dreaded equals sign—in class, and suggested some interesting remedies for persistent carelessness. Describe a notational or conceptual confusion that you have observed (in yourself or others), and the way in which you corrected (or attempted to correct) it. (If you have several to discuss, that is welcome, too!)