<div align="center">**Assignment #2 (SECOND CORRECTION): Due 1/20/12**</div>

Reading:

- Read Sections 1.3 and 1.4.

Written Assignment:

A. Exercise 1.12 (page 8).

B. Exercise 1.13 (p. 9).

C. For each of the following parametrized curves, write down an explicit unit-speed reparametrization. Be sure to specify the domain of the new parametrization.

   (a) $\alpha\colon \mathbb{R} \to \mathbb{R}^2$ is given by $\alpha(t) = (3\cos t, 3\sin t)$.

   (b) $\beta\colon (0, \infty) \to \mathbb{R}^2$ is given by $\beta(t) = (t^2, t^3)$.

D. Exercise (1) (p. 19).

E. (CANCELLED)

F. (CANCELLED)