**Problem of the week #3**

Due September 20th.

**Problem**. A point particle bounces around inside of the unit square. The particle has a constant speed of one unit per second, and begins in the corner $(0, 0)$ at an angle of $\pi/12$ radians from the base. Where will the particle be in exactly one minute? Give an exact answer.

*Bonus Credit*: Explain how to do the same problem for an equilateral triangle with all sides one unit in length.

- Partial credit may be given for partial answers.
- Each POW will be due the following week at 1pm.
- Submit to `bthorner@unomaha.edu` or DSC 203.