This will be a social meeting of the Math/Actuarial Club to start the Mentor Program. This program provides support for math or prospective math/actuarial majors in their first year as a major.

If you would like to take a leadership role and be a mentor, fill in this form: [https://forms.gle/citqcoKVAVdSzrCF6](https://forms.gle/citqcoKVAVdSzrCF6)

If you would like to receive support by having a mentor, fill in this form: [https://forms.gle/vwo3CJvLcn4FwAyB8](https://forms.gle/vwo3CJvLcn4FwAyB8)

**Valentines Challenge:** Bring your favorite function that creates a heart shape or come to find fun ways to draw a heart.

**Problem of the Month:**

This semester we are starting a new tradition of solving math problems for fun. Problem for the meeting of March 2nd 2023:

For a right triangle with legs of length $a$ and $b$ and hypotenuse $c$, show that

$$a + b \leq c\sqrt{2}$$

Classify all the right triangles where equality occurs.