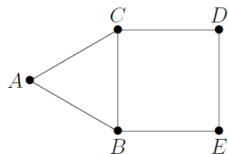# MATH PROBLEM OF THE WEEK

Fall 2023

Problem 3

A equilateral triangle $\triangle ABC$ is attached to a square $BCDE$ (see picture). Find the angle $\angle DAE$.

We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of $500.

Solutions must be mathematically rigorous and originally obtained by the participants. Participants will be notified if their solutions are correct within a week.

Deadline: Monday, October 23, 10 am
Next problem will be posted on October 23