

PROBLEM OF THE WEEK 16

Due Wednesday, February 13 at 5:00 pm

Question. Let $ABCD$ be a square with side length of 12. Points E and F are chosen on AD and AB , respectively, so that $|DE| = |AF| = 9$ and $|EA| = |BF| = 3$. Let T be the intersection of CE and DF . Find the length of DT .

- All answers should be clearly explained. Submit it to the Math/Stat Office, AMB 107.
- If your instructor gives you credit for POTW, write his/her name with the class number.
- Contact Bahattin Yildiz with questions: bahattin.yildiz@nau.edu (AMB 134)
- The problems are available online at <https://naumathstat.github.io/problem-of-the-week/>