

## PROBLEM OF THE WEEK 12

Due Wednesday, December 5 at 5:00 pm

**Question.** Let  $ABC$  be a triangle with  $\widehat{CBA} = 36^\circ$ . A point  $D$  is chosen on the side  $BC$  between  $B$  and  $C$  so that  $|BD| = |AD|$  and  $|AB| = |DC|$ . Find the angle  $\widehat{ACB}$ .

---

- 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/>