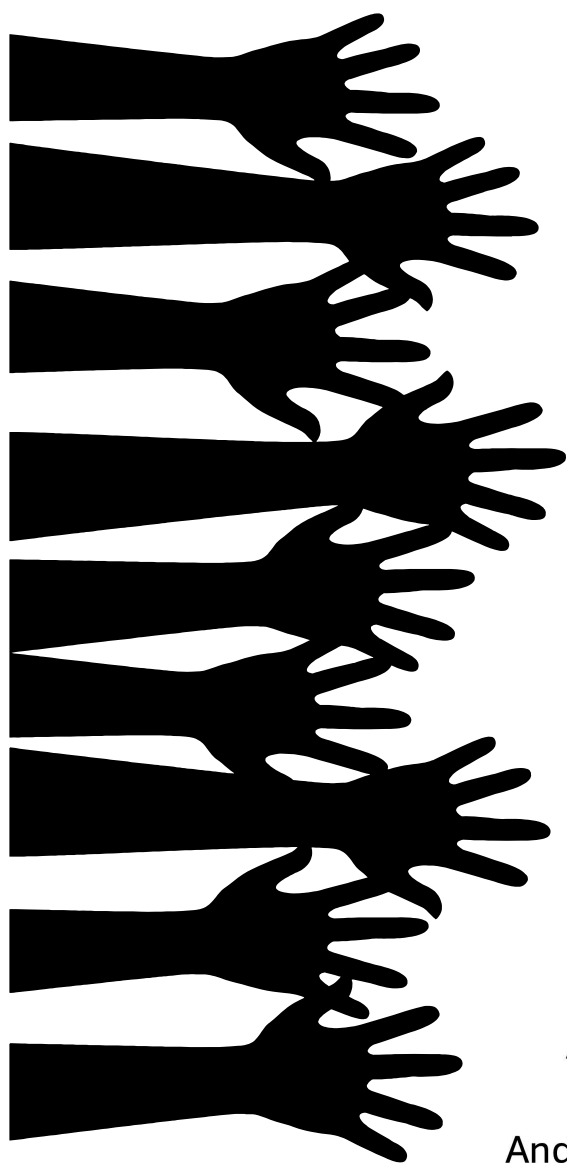# Texas Tech University's
MATH CIRCLE

FOR MIDDLE & HIGH SCHOOL STUDENTS
IS HERE

NEW STUDENTS WELCOME EACH WEEK!

- Challenging problems
- Encourages excitement for math
- Free to attend

MEETS EVERY THURSDAY
6:30PM
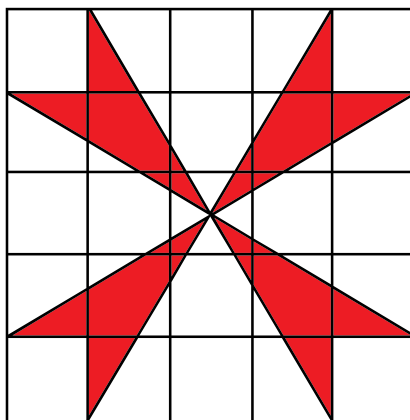## MATH BUILDING
ROOM 108

For more information contact:

Hung Tran	hung.tran@ttu.edu
Alvaro Pampano	alvaro.pampano@ttu.edu
Aaron Tyrrell	aatyrrel@ttu.edu
Andrew Soto Levins	ansotole@ttu.edu

What is the area of the shaded pinwheel shown in the 5 × 5 grid?

Three different one-digit positive integers are placed in the bottom row of cells. Numbers in adjacent cells are added and the sum is placed in the cell above them. In the second row, continue the same process to obtain a number in the top cell. What is the difference between the largest and smallest numbers possible in the top cell?