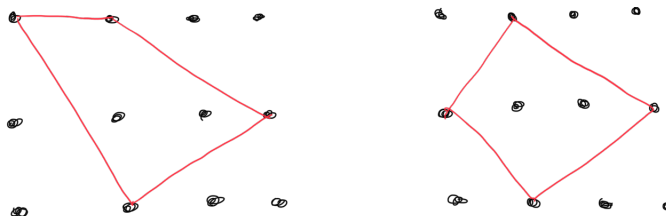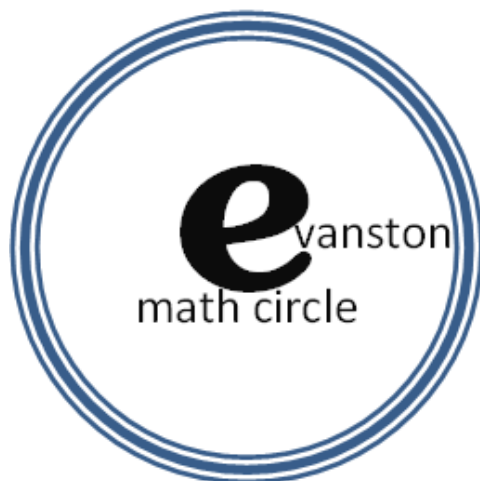## Areas and Counting Points

Take a grid of points and draw some polygons by connecting points which contain the same number of points "inside" and the same number of points on the "boundary":

These polygons have the same area, and so will any polygon which contains as many points inside and on the boundary as these! We'll discuss some of the mathematics behind this observation, and see how to compute areas by counting points! Come join as us at the

EVANSTON MATH CIRCLE
Saturday, November 17

Northwestern University
Lunt Hall Room 218, 11:00 AM to 12:30pm

Math Circle is geared towards middle- and beginning high-school students, but students of other ages and backgrounds are welcome as well. More information is available at http://www.math.northwestern.edu/~scanez/mathcircle/