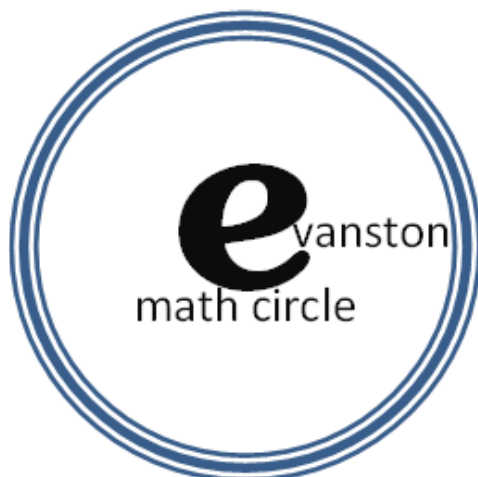


# Constructing Soccer Balls

Soccer balls are made by stitching together pentagons (5-sided shapes) and hexagons (6-sided shapes). Suppose you wanted to construct something like a soccer ball but were only allowed to stitch together multiple pieces of the same type of shape, so no mixing of pentagons and hexagons for instance. What types of shapes could you actually use to do this? We'll explore the geometry and algebra behind this question! Come join us at the

## EVANSTON MATH CIRCLE Saturday, February 18



**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/~scaney/mathcircle/>

