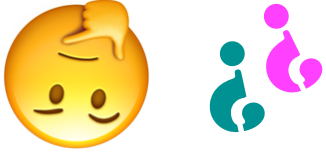


Open the zine for more
space to draw

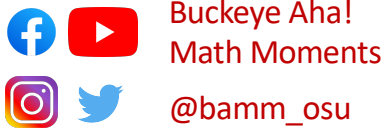


- Explore star polygons!
- Does any pair $\{n, m\}$ work to create a star?
- Do any of the number combinations result in odd cases?
- Are there any distinct pairs that result in the same star?



**BUCKEYE
AHA! MATH
MOMENTS**

u.osu.edu/mathoutreach
outreach@math.osu.edu

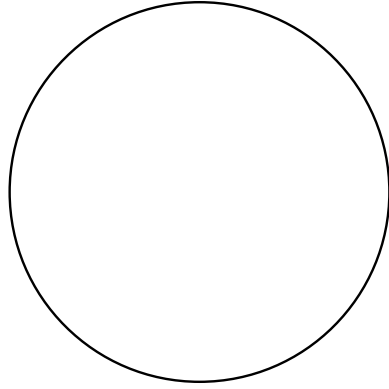


Buckeye Aha!
Math Moments

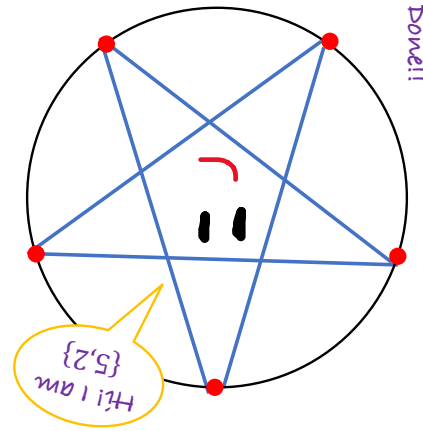
@bamm_osu

Make your own zine about
your favorite math topic
and share it with us!

$n =$ $m =$



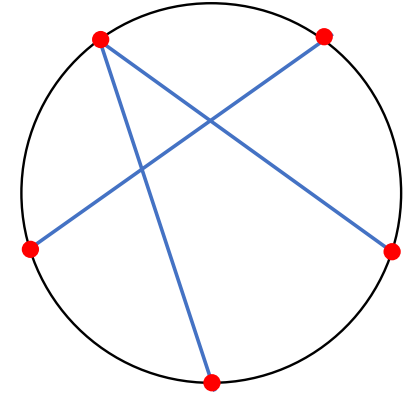
Now it's your turn!!! Draw
your first star polygon:



These are called
STAR POLYGONS
Mathematicians label them
listing the two numbers:
 $\{n, m\}$

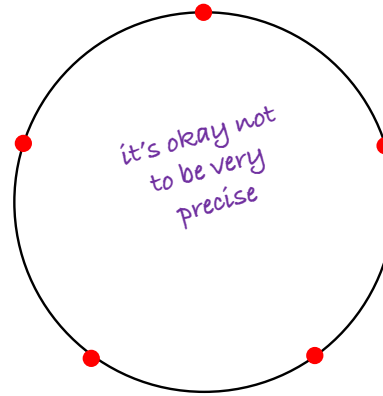
Done!!

Not finished yet!!! Make sure
you do the process with every
point!



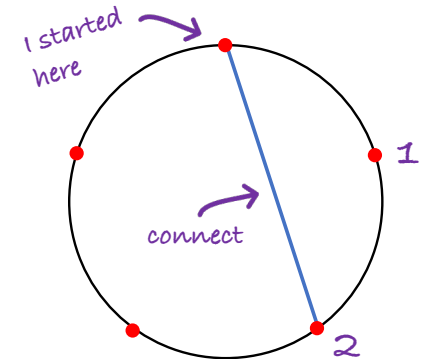
3 Repeat with every
point!

1 Choose a number, n . On
a circle, mark that
number of equally
spaced points.



I chose $n = 5$

2 Choose a second
number, m . Starting on
any point, count m points
moving clockwise, and
connect this point with the
one where you started.



I chose $m = 2$