

Name: _____

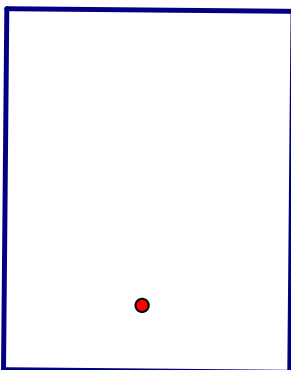
Date: _____

PCH: 4.9 Paper Folding - Fun Activity! (Says the person who decided we're doing it...😊)

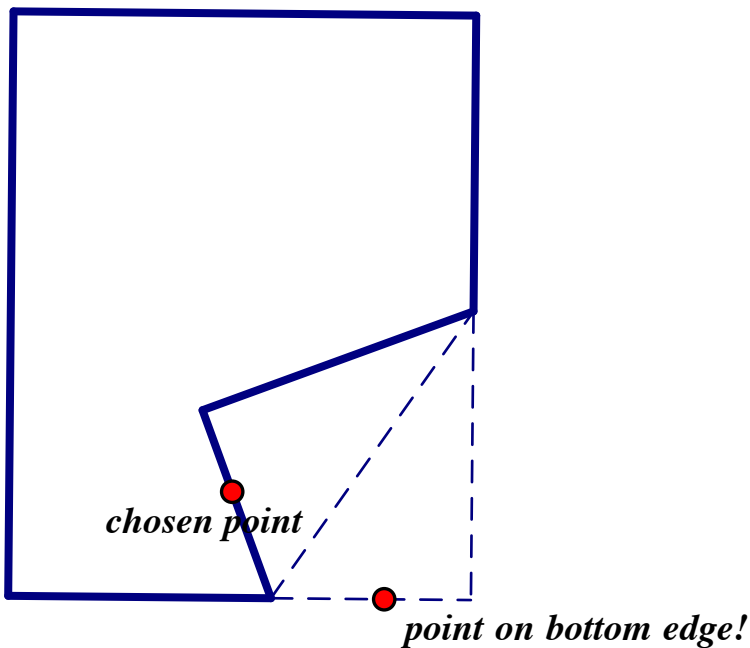
Teacher: Rachel Chou

INSTRUCTIONS: Follow these instructions!

1. Get a blank sheet of paper.
2. Place a dot in the middle of your paper horizontally, between 1 and 5 cm from the bottom edge of your piece of paper as shown:

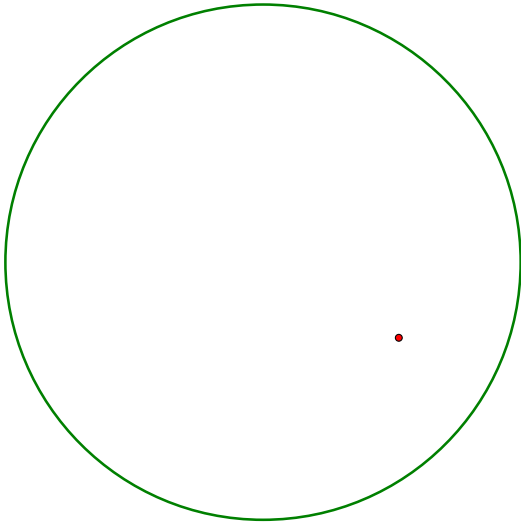


3. Choose a point on the bottom edge of your piece of paper and make a fold (crease) such that the point you chose on the bottom edge lands on your chosen point from #2, as suggested by the following drawing:

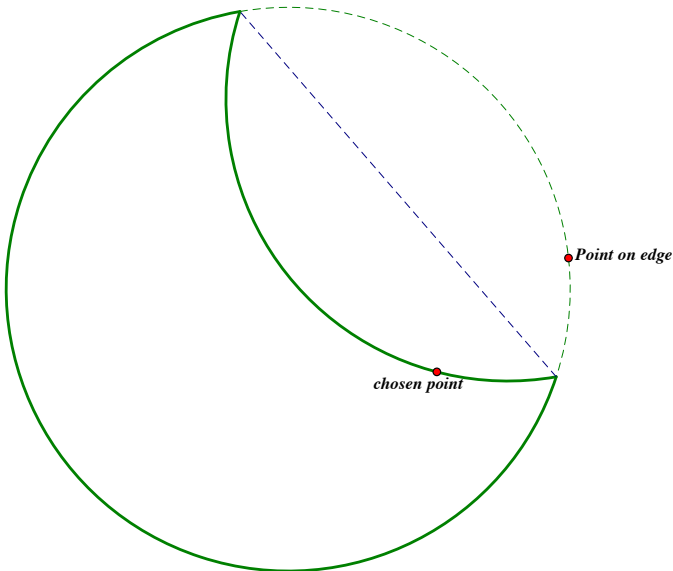


4. Make several (like lots!) of these creases.
5. After you have made several of these creases, look at your sheet of paper. What do you see? (Consider holding your paper up to the light). Can you explain why this happened?

6. Now, take a circular piece of paper, and place a dot somewhere in the interior as shown below: **(Not at the center!)**



7. Now, similar to what you did in #3, fold the circle so that a point on the edge of the circle lands on the "chosen point" as shown below.



8. Repeat what you have done in #7 over and over until a curve emerges. Hold your paper up to the light. What kind of curve do you see? Why did this happen?