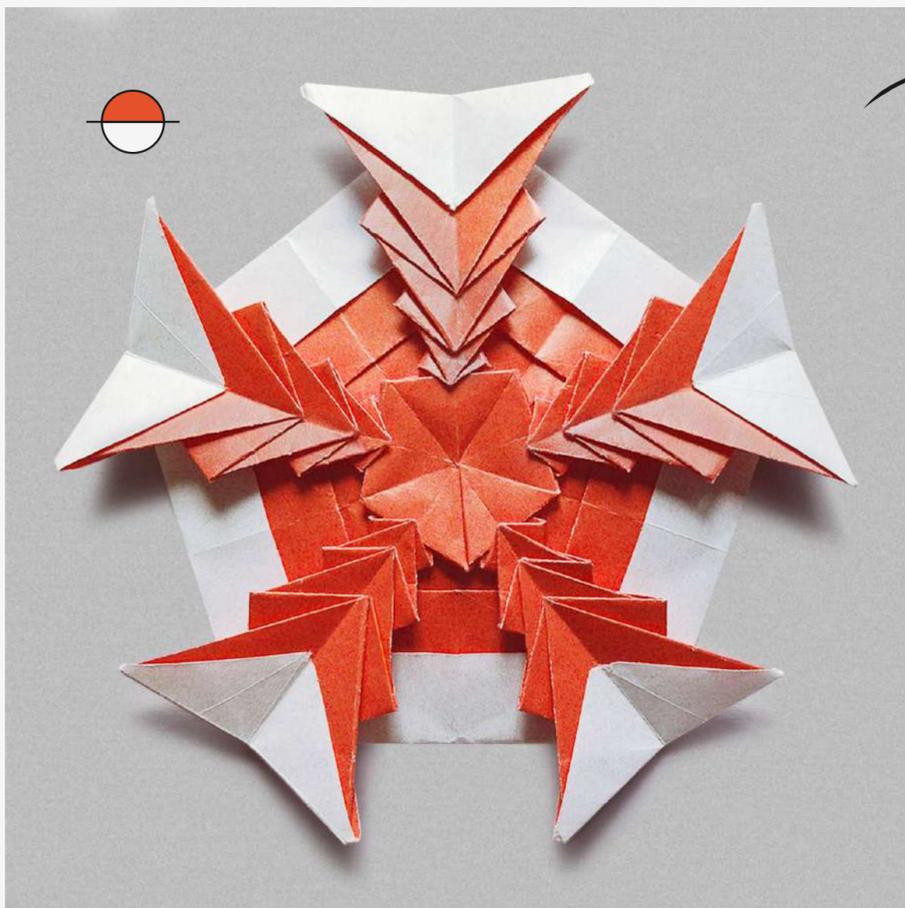


Asterisk Fractal

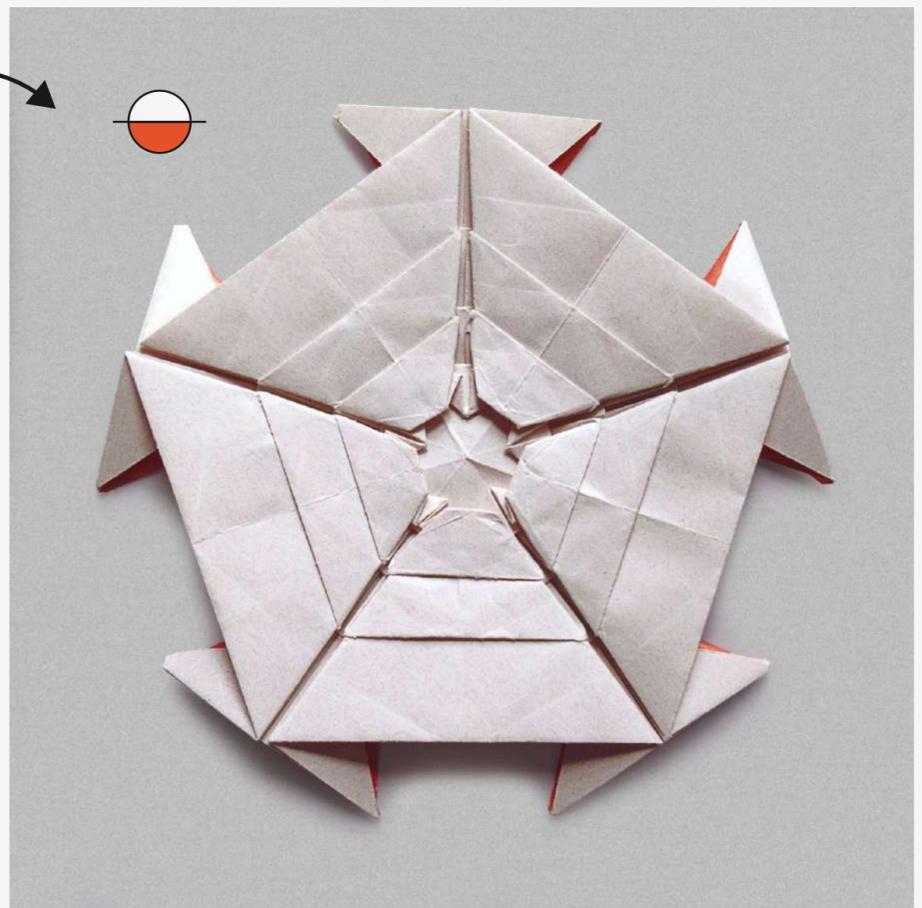


Independently discovered by Alphonsus Rouis

Aug. 2024



Front View

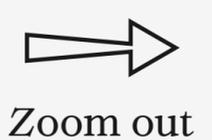
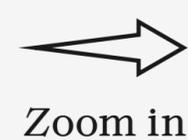
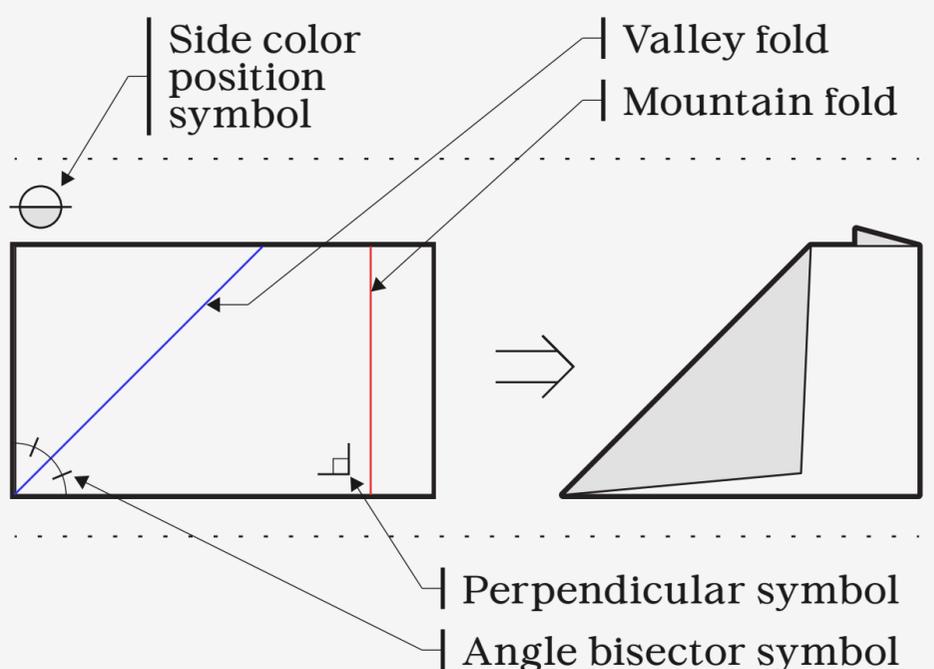


Rear View

GENERAL NOTES

1. This design is from a pentagonal sheet of paper. Use a pentagon from an **A4** or **letter-sized sheet of kami** for your first attempt.
2. Thin, strong paper such as **tracing paper** or **glassine** is recommended for succeeding attempts.
3. Placing the finished model **between pages of books** or any similar wide, smooth objects is recommended to flatten the model.

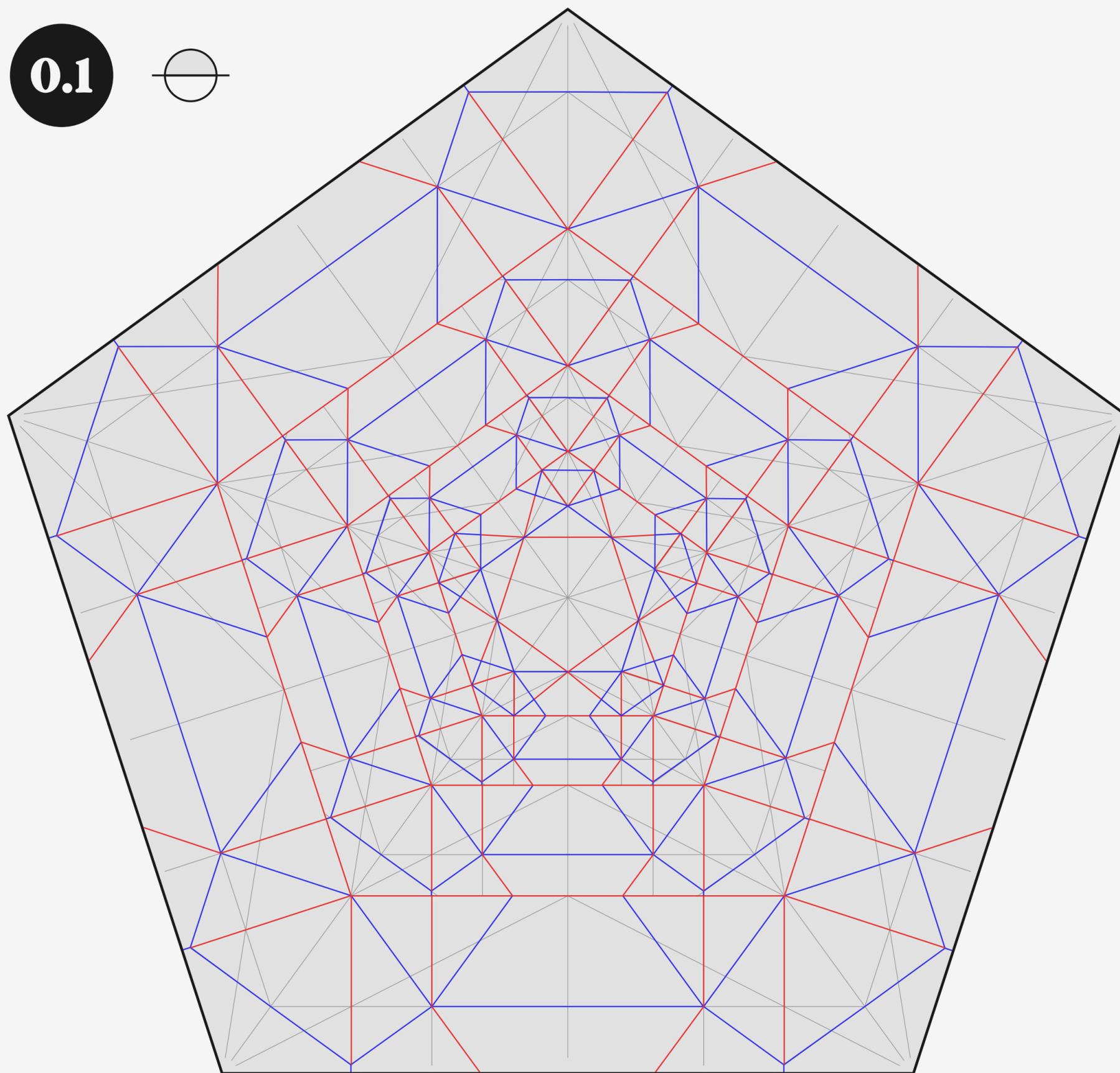
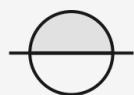
FOLDING SYMBOLS



Asterisk Fractal

Alphonsus Rouis
Aug. 2024

0.1



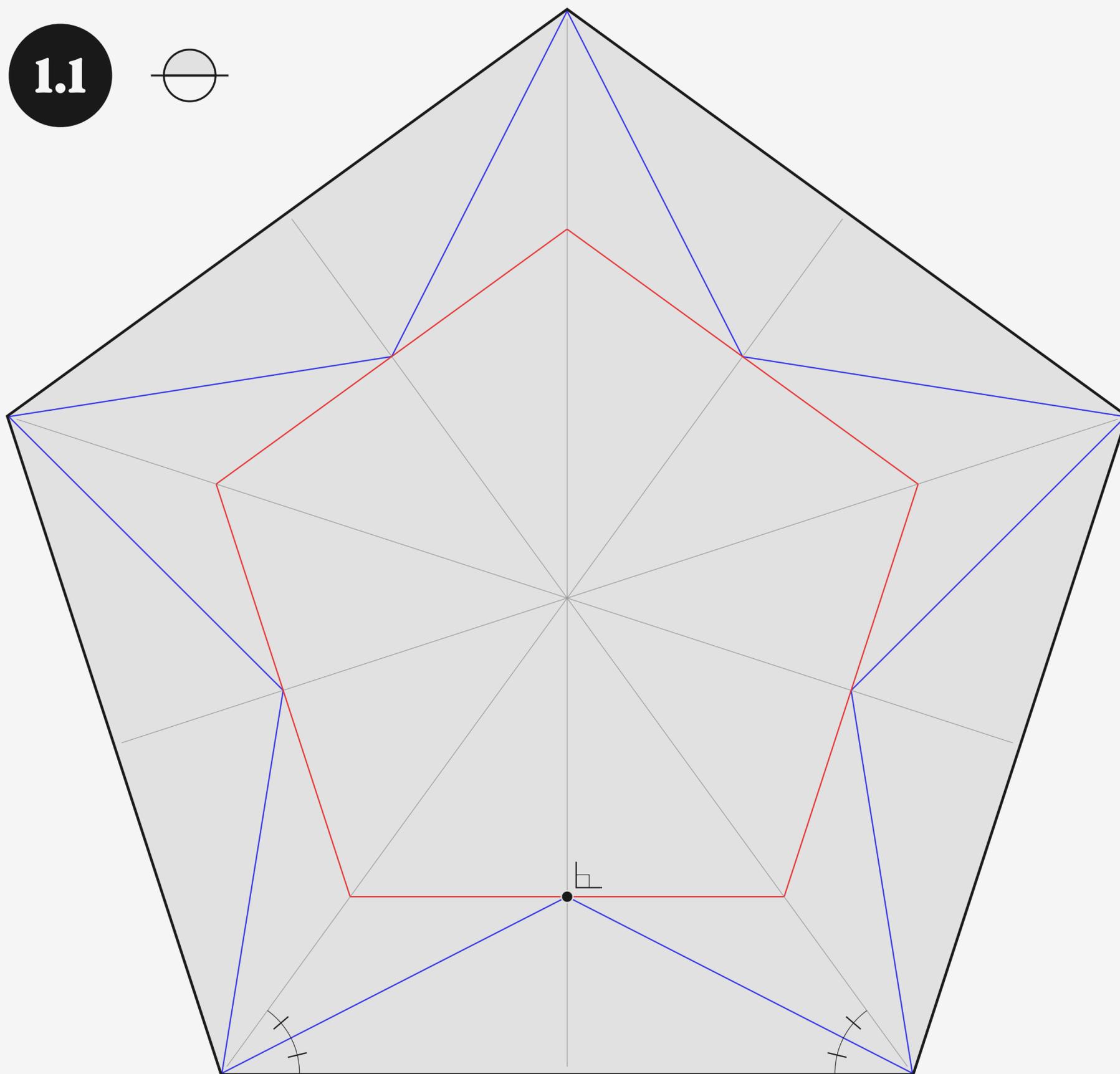
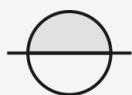
Shown above is the crease pattern for the Asterisk Fractal.
Succeeding slides detail how to construct the pattern.



Asterisk Fractal

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Aug. 2024

1.1



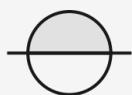
Colored side up. Fold part of an iteration as shown.
Note the position of the folds.



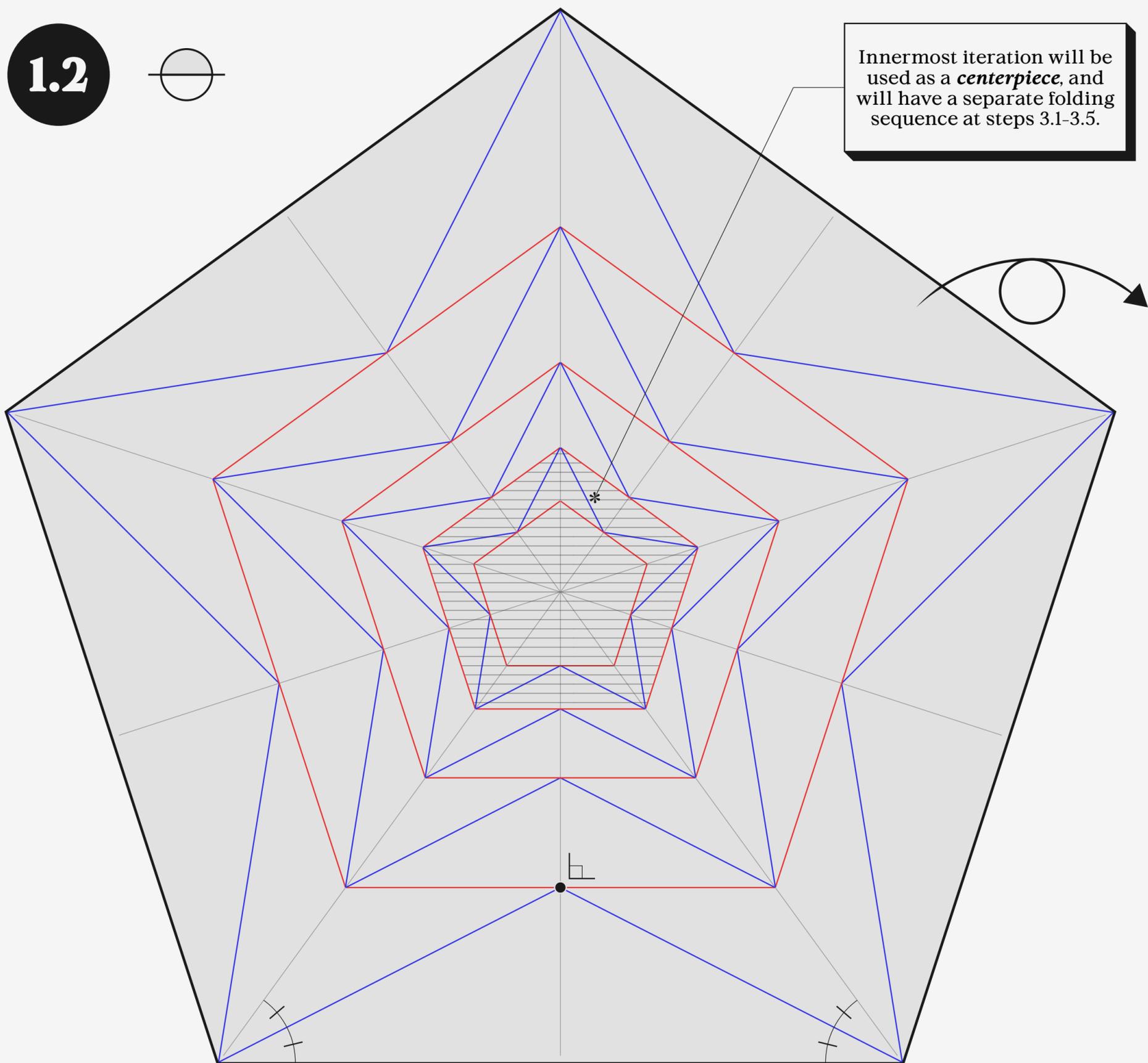
Asterisk Fractal

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Aug. 2024

1.2



Innermost iteration will be used as a *centerpiece*, and will have a separate folding sequence at steps 3.1-3.5.



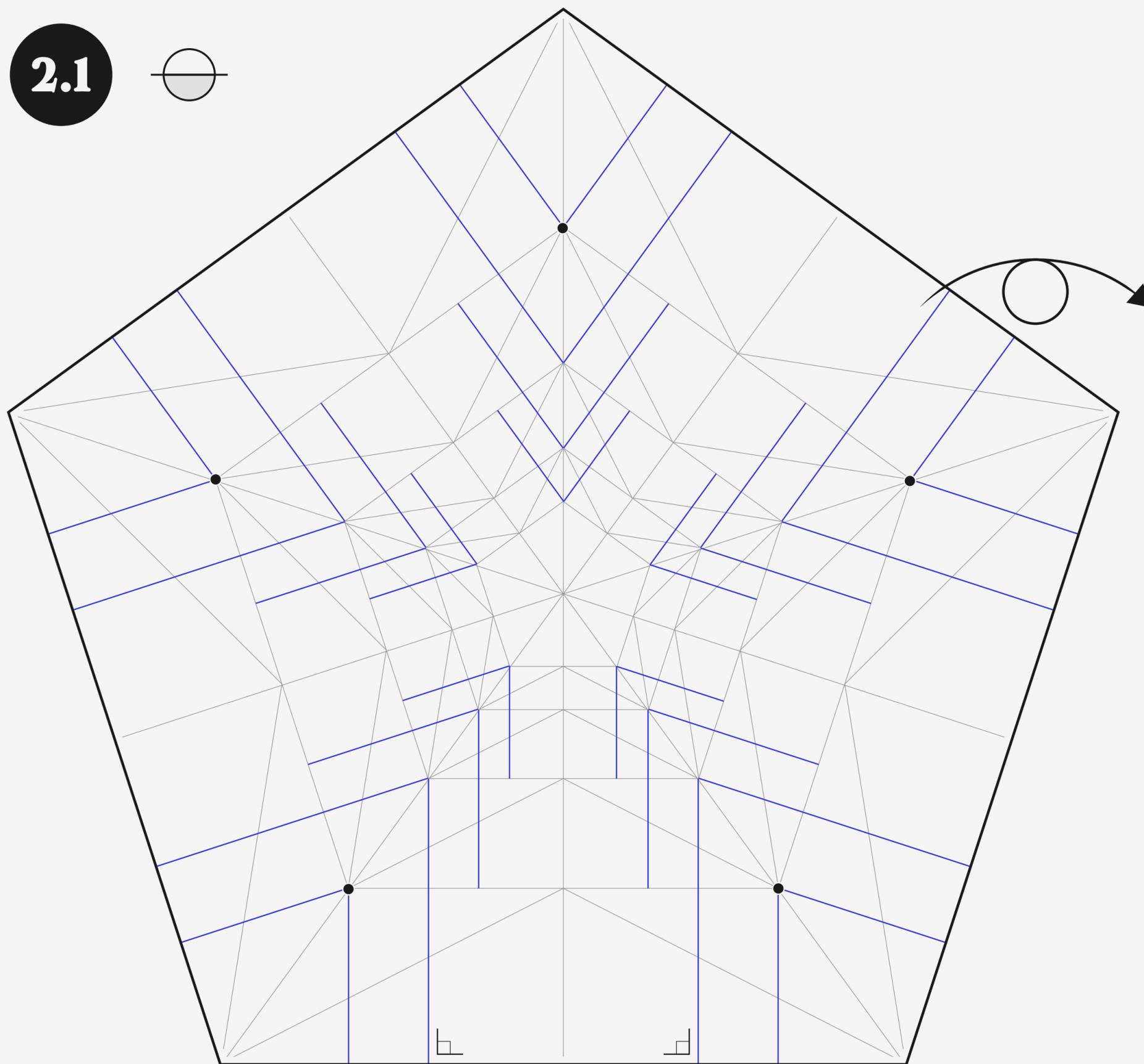
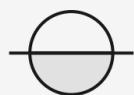
Continue making part of iterations until desired.
Pattern above makes 3 iterations and 1 centerpiece.
Turn the paper over.



Asterisk Fractal

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2.1



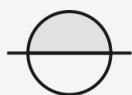
White side up. Fold each iteration as shown.
Note the position of the folds. Turn the paper over.



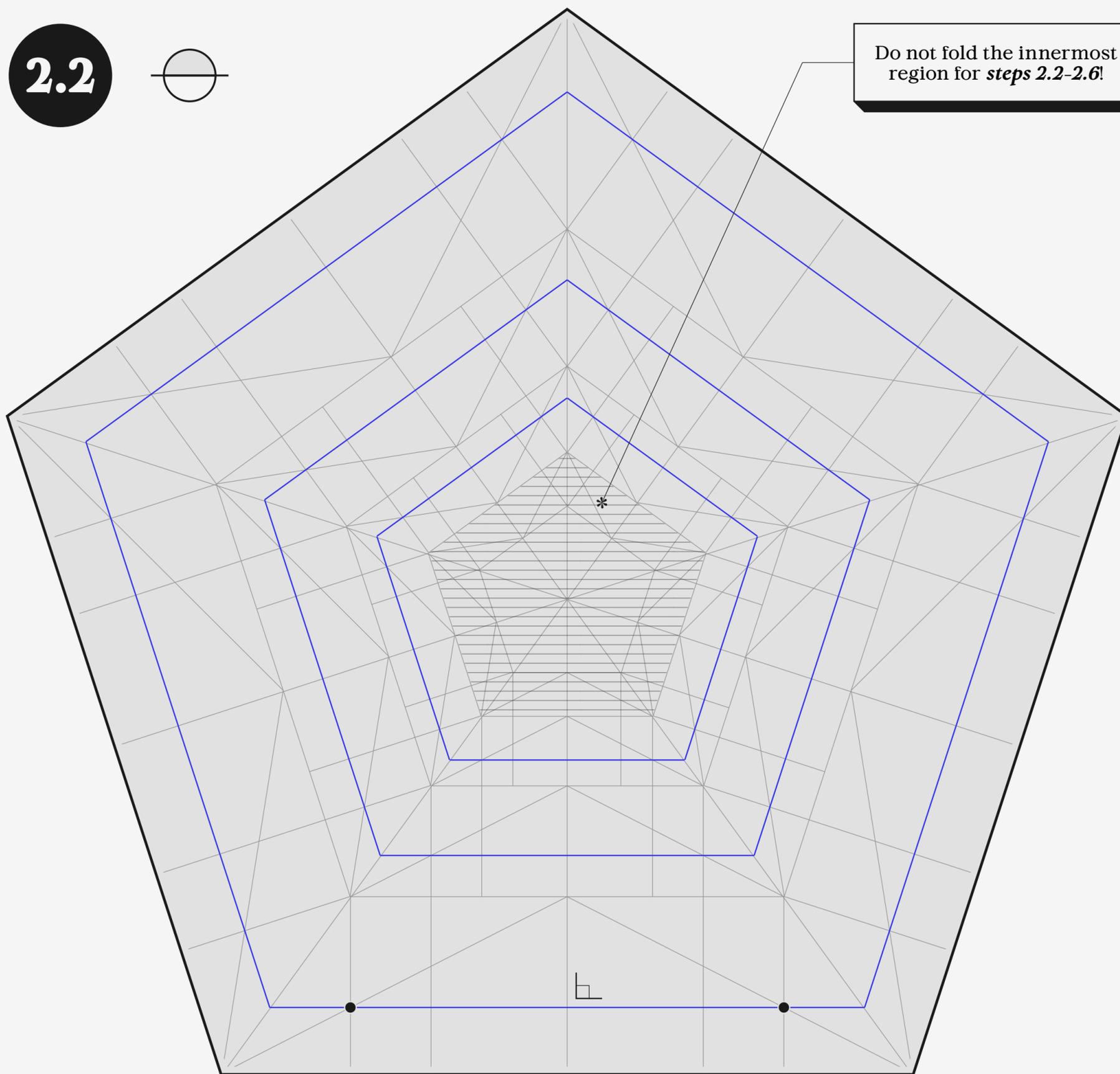
Asterisk Fractal

Alphonsus Rouis
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2.2



Do not fold the innermost region for *steps 2.2-2.6!*

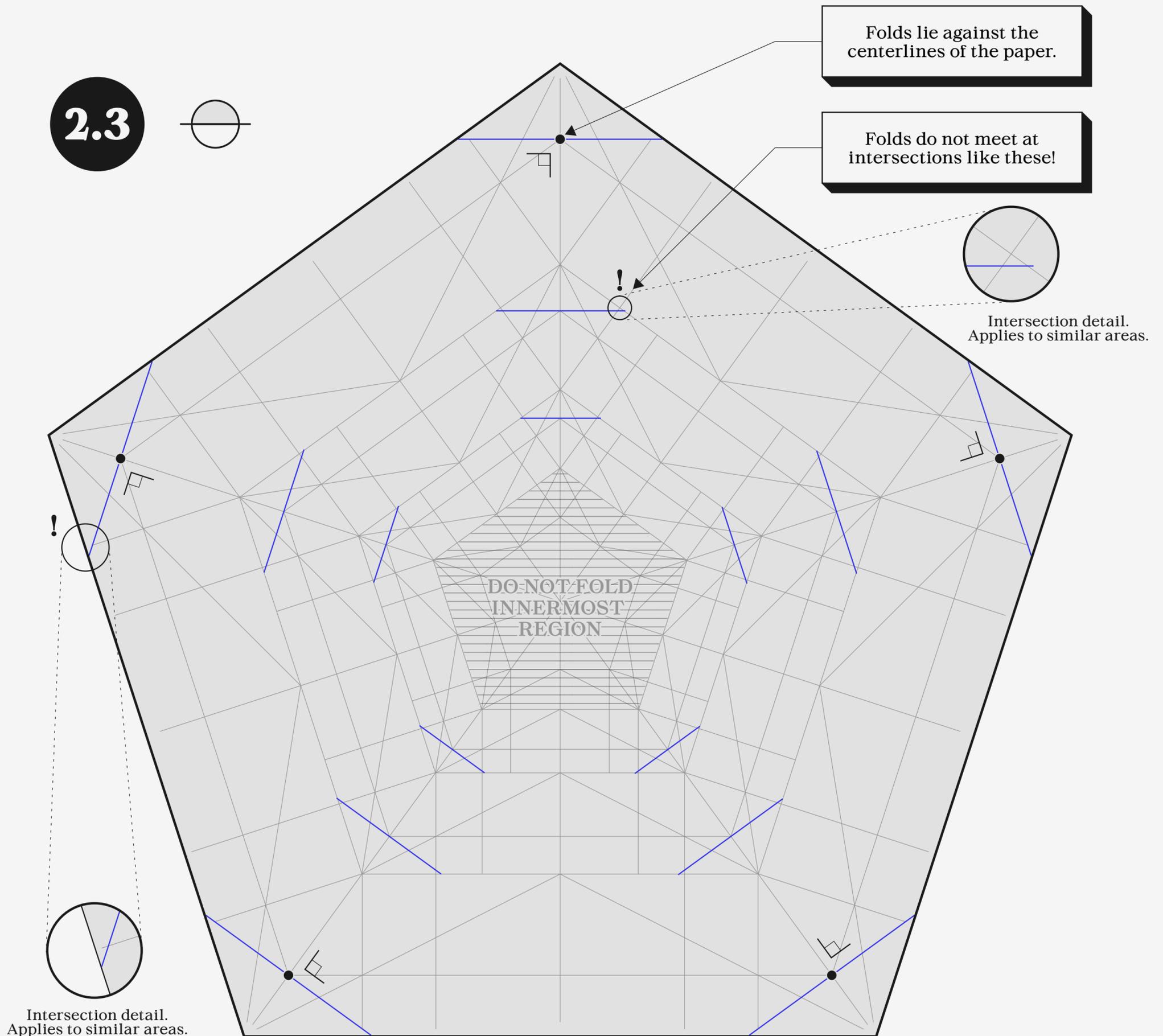


Fold each iteration as shown.
Note the position of the folds.



Asterisk Fractal

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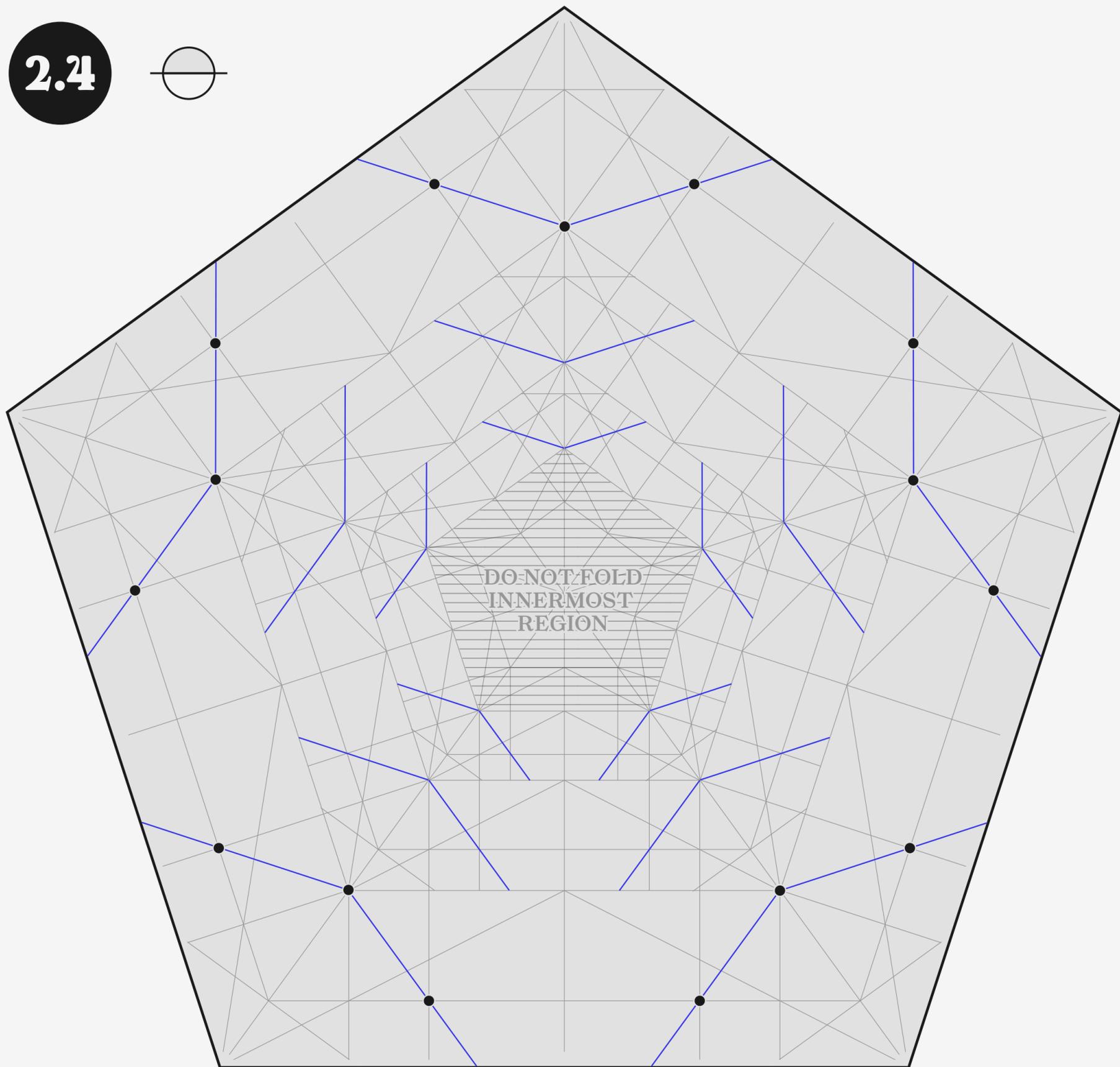
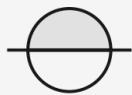
Fold each iteration as shown.
Note the position of the folds.



Asterisk Fractal

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2.4



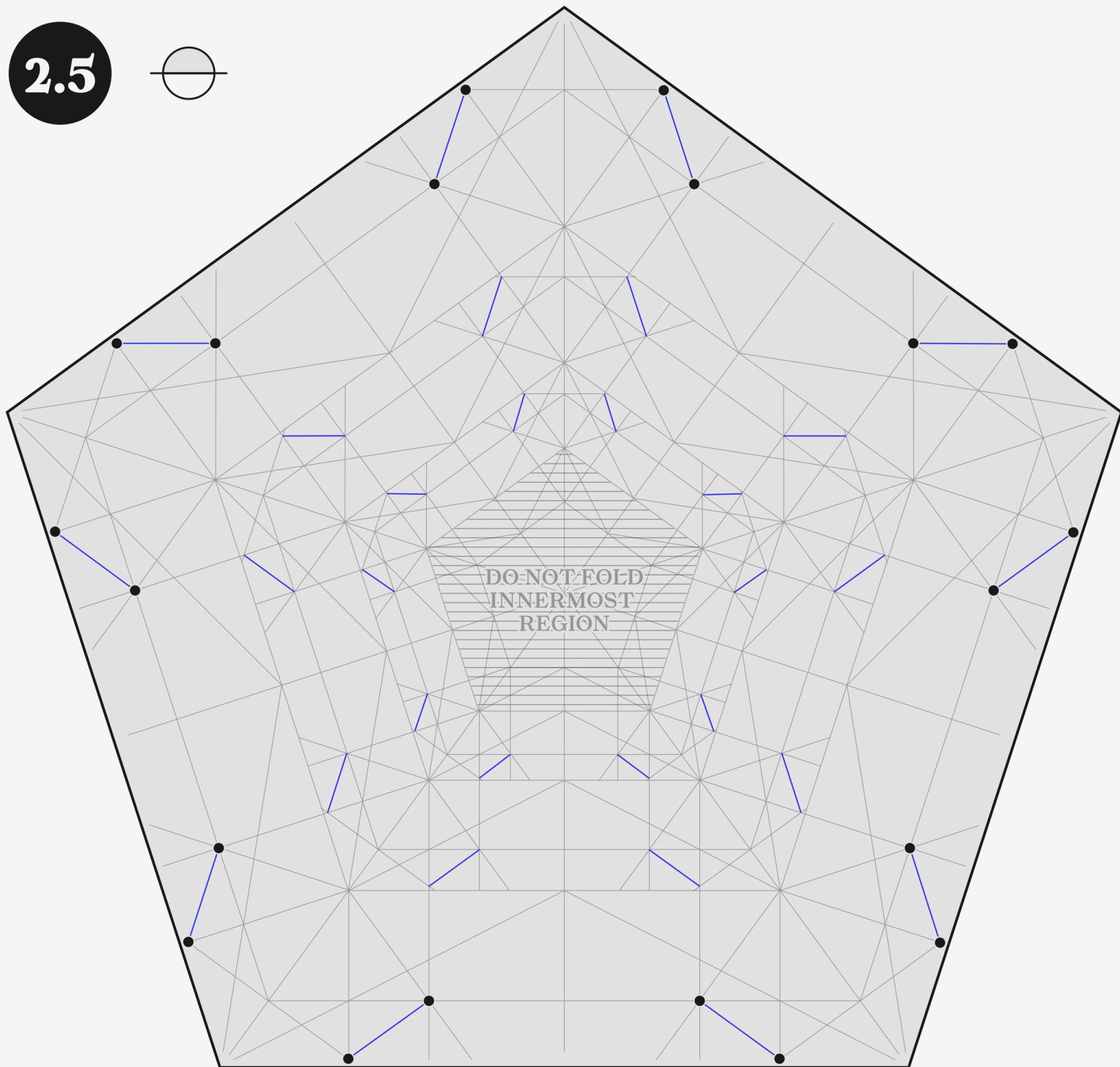
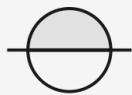
Fold each iteration as shown.
Note the position of the folds.



Asterisk Fractal

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2.5



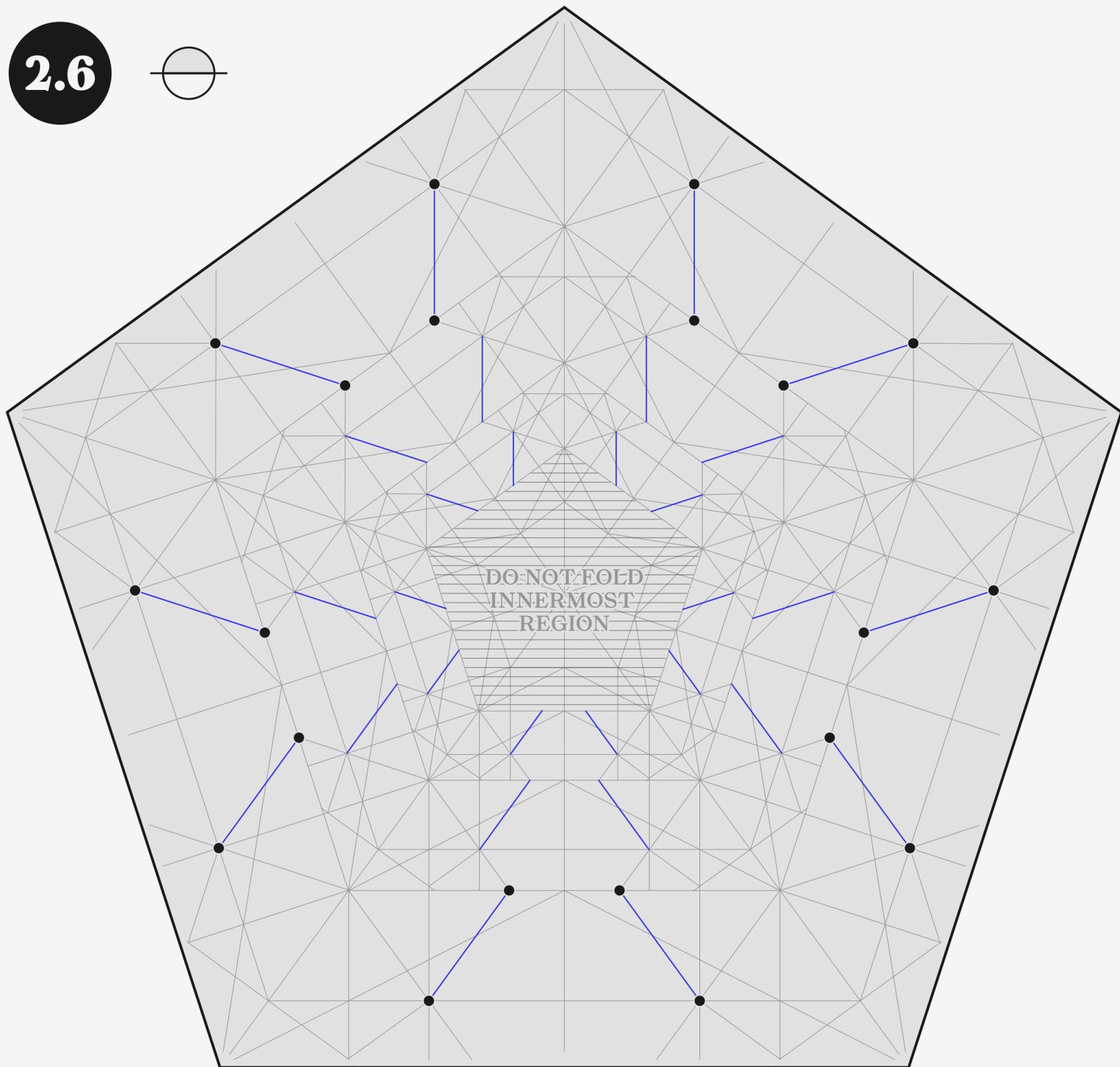
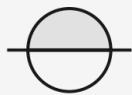
Fold each iteration as shown.
Note the position of the folds.



Asterisk Fractal

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2.6



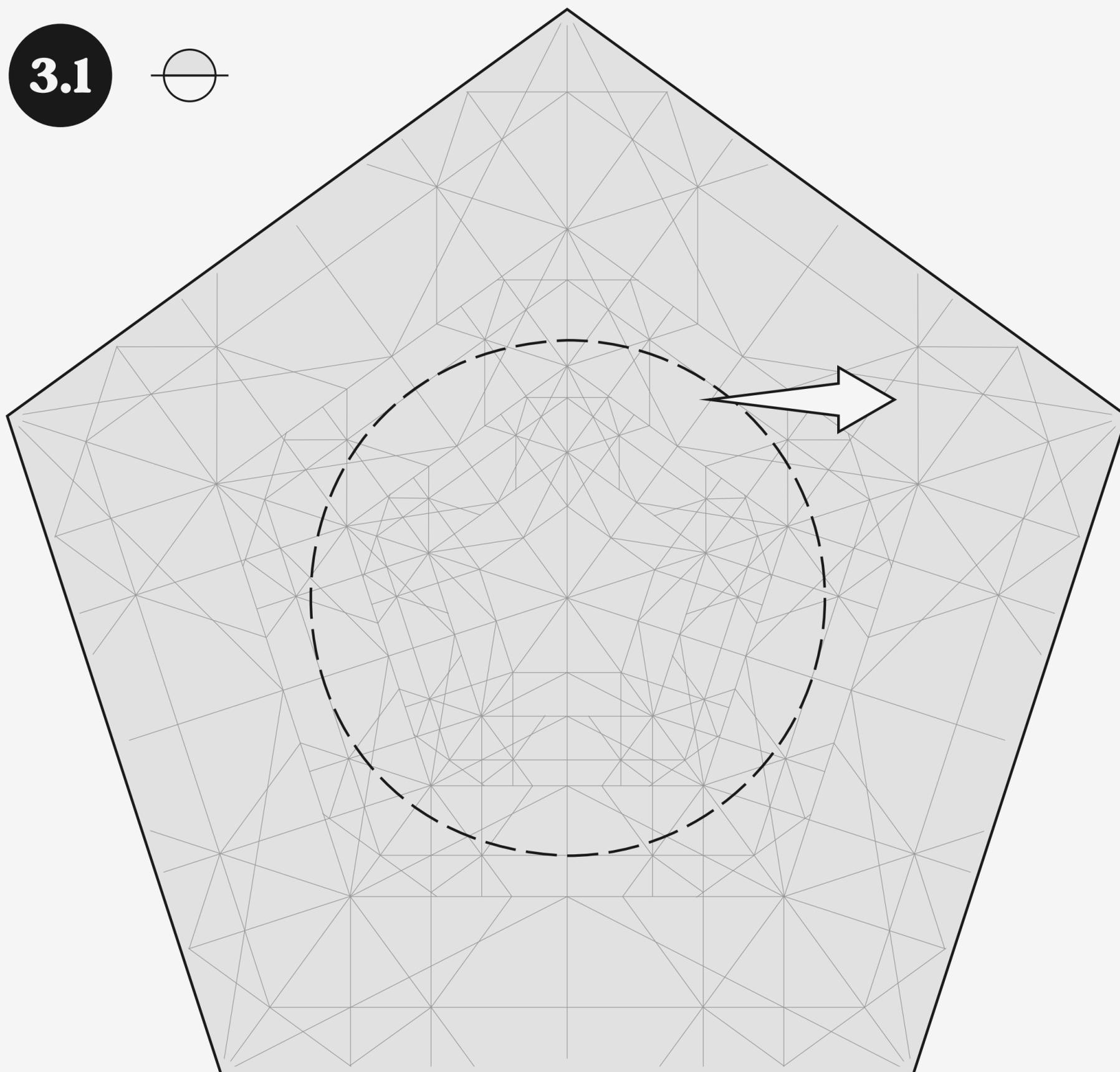
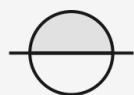
Fold each iteration as shown.
Note the position of the folds.



Asterisk Fractal

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3.1



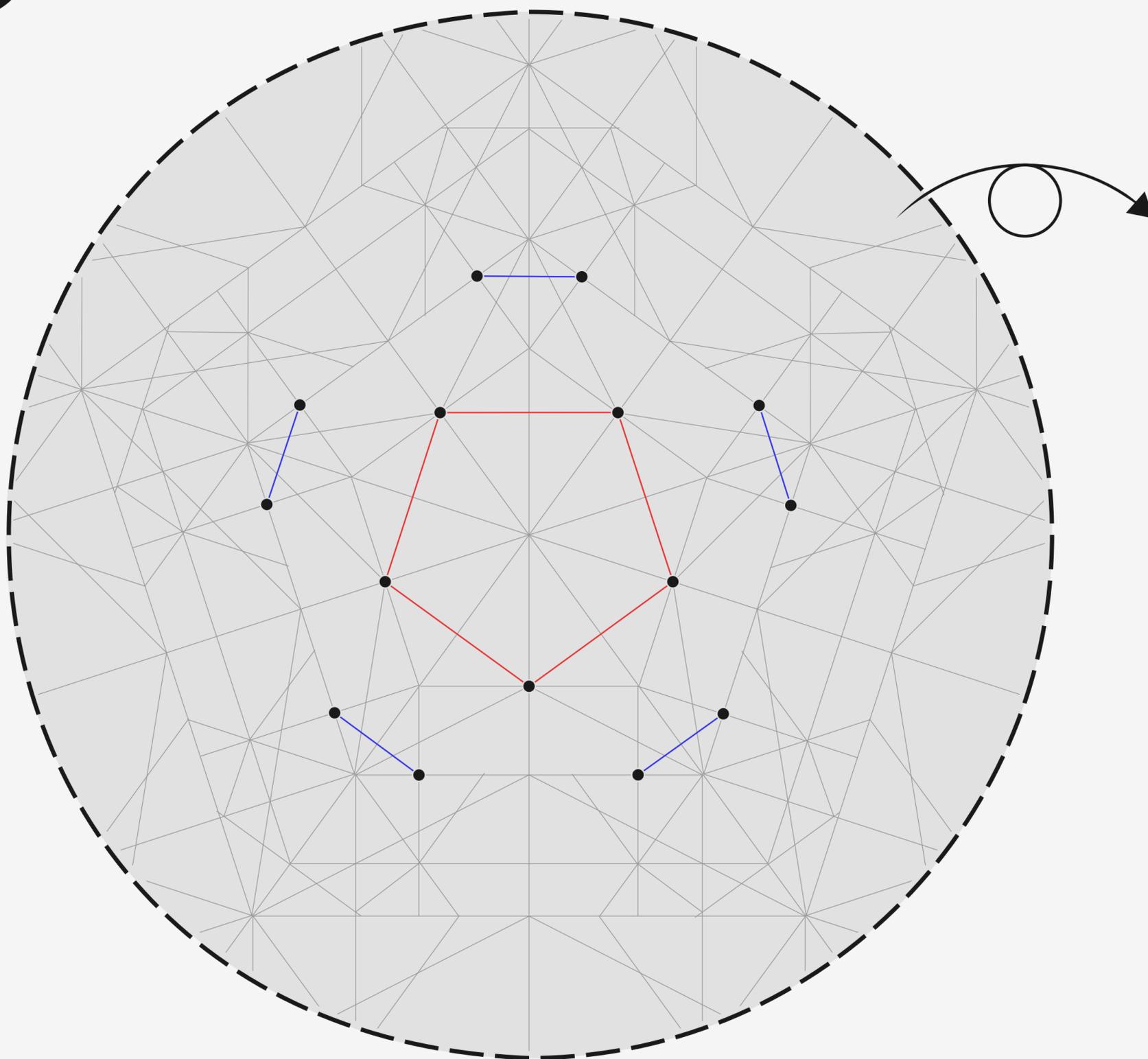
Focus on circled region for steps 3.2-3.5.



Asterisk Fractal

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3.2



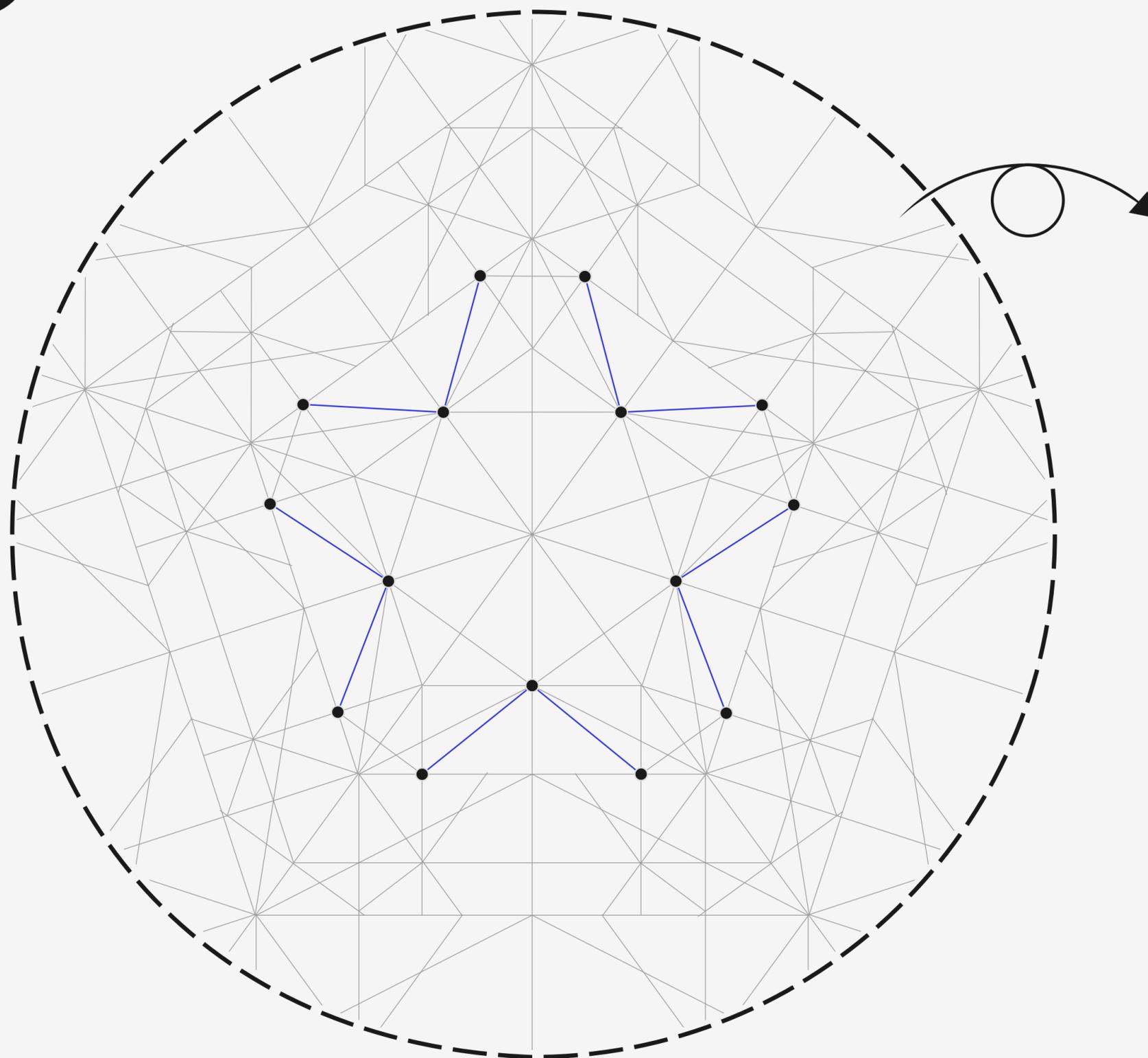
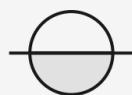
Fold the centerpiece as shown.
Note the position of the folds. Turn the paper over.



Asterisk Fractal

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3.3



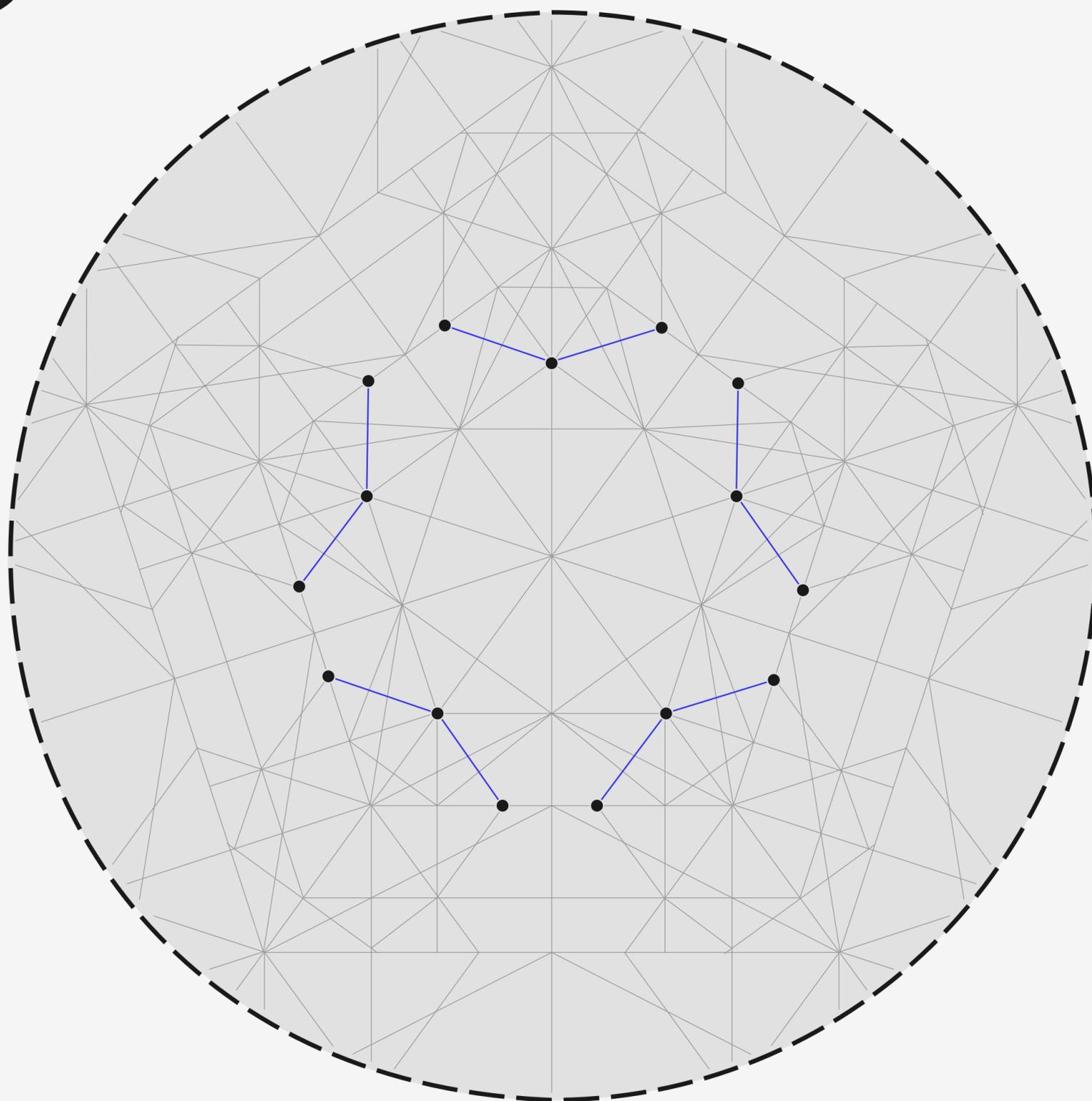
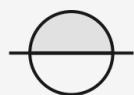
Fold the centerpiece as shown.
Note the position of the folds. Turn the paper over.



Asterisk Fractal

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3.4



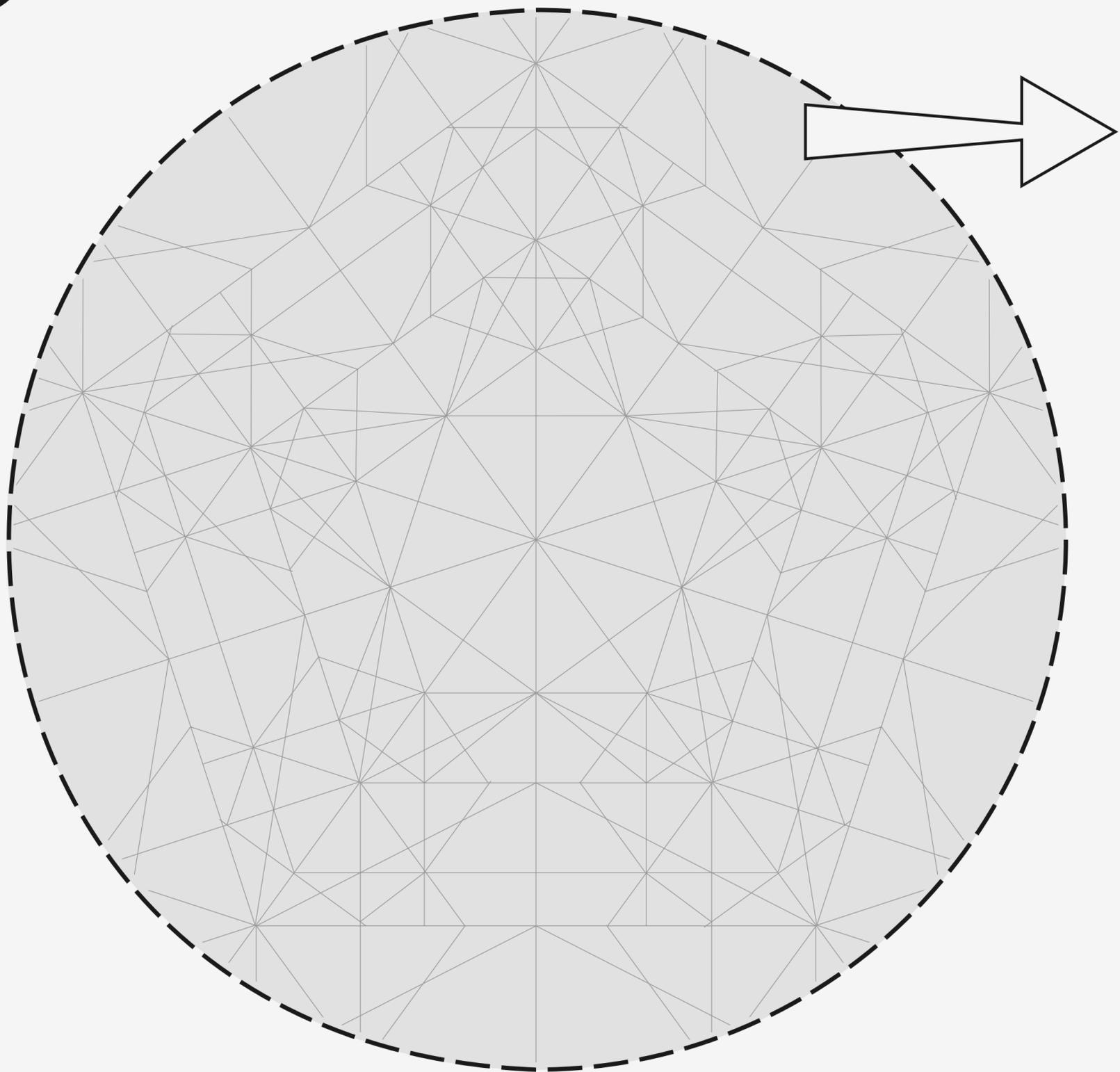
Fold the centerpiece as shown.
Note the position of the folds.



Asterisk Fractal

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3.5



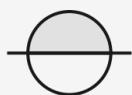
The result of steps 3.1-3.4. Zoom out.



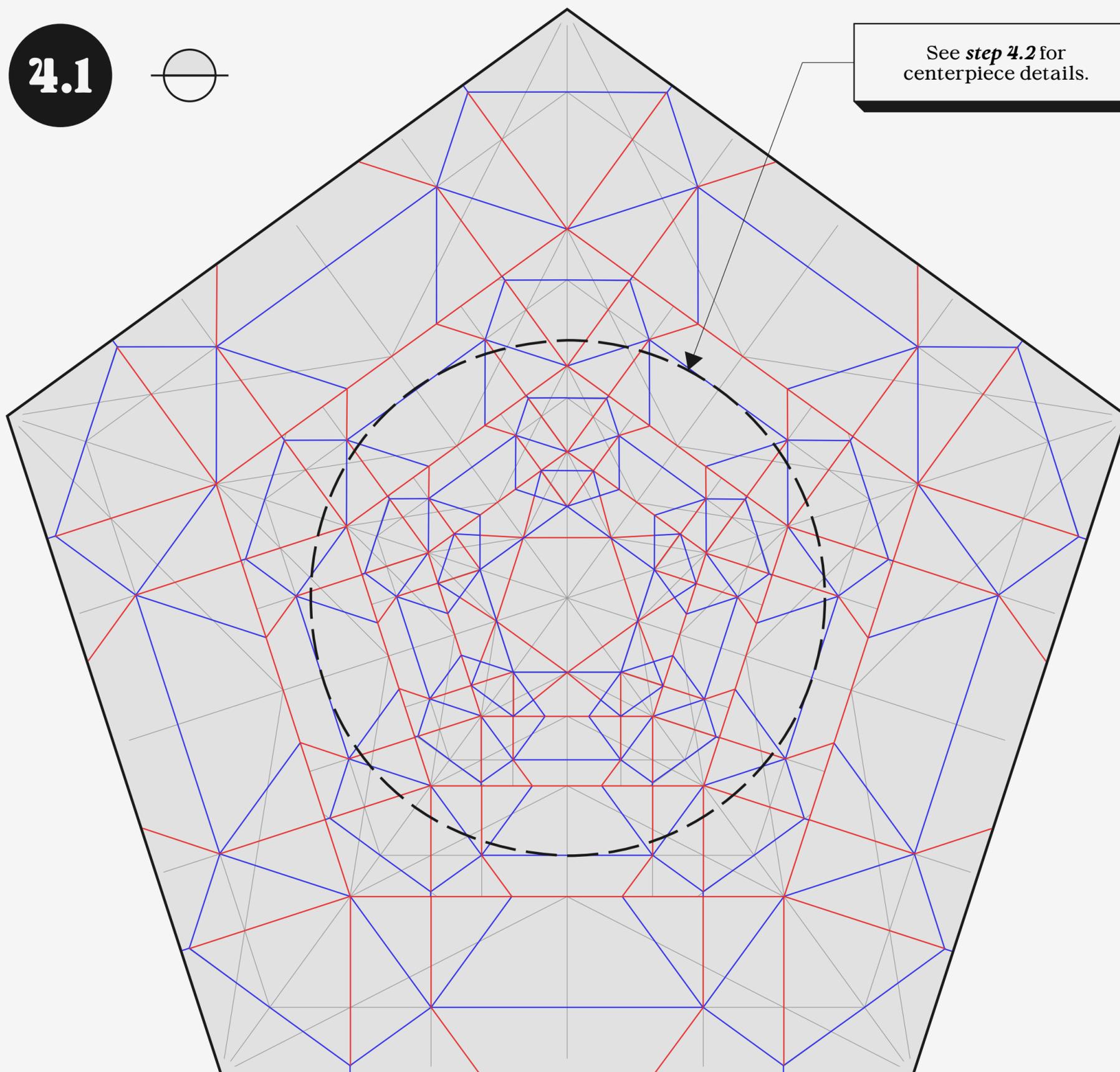
Asterisk Fractal

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4.1



See *step 4.2* for
centerpiece details.



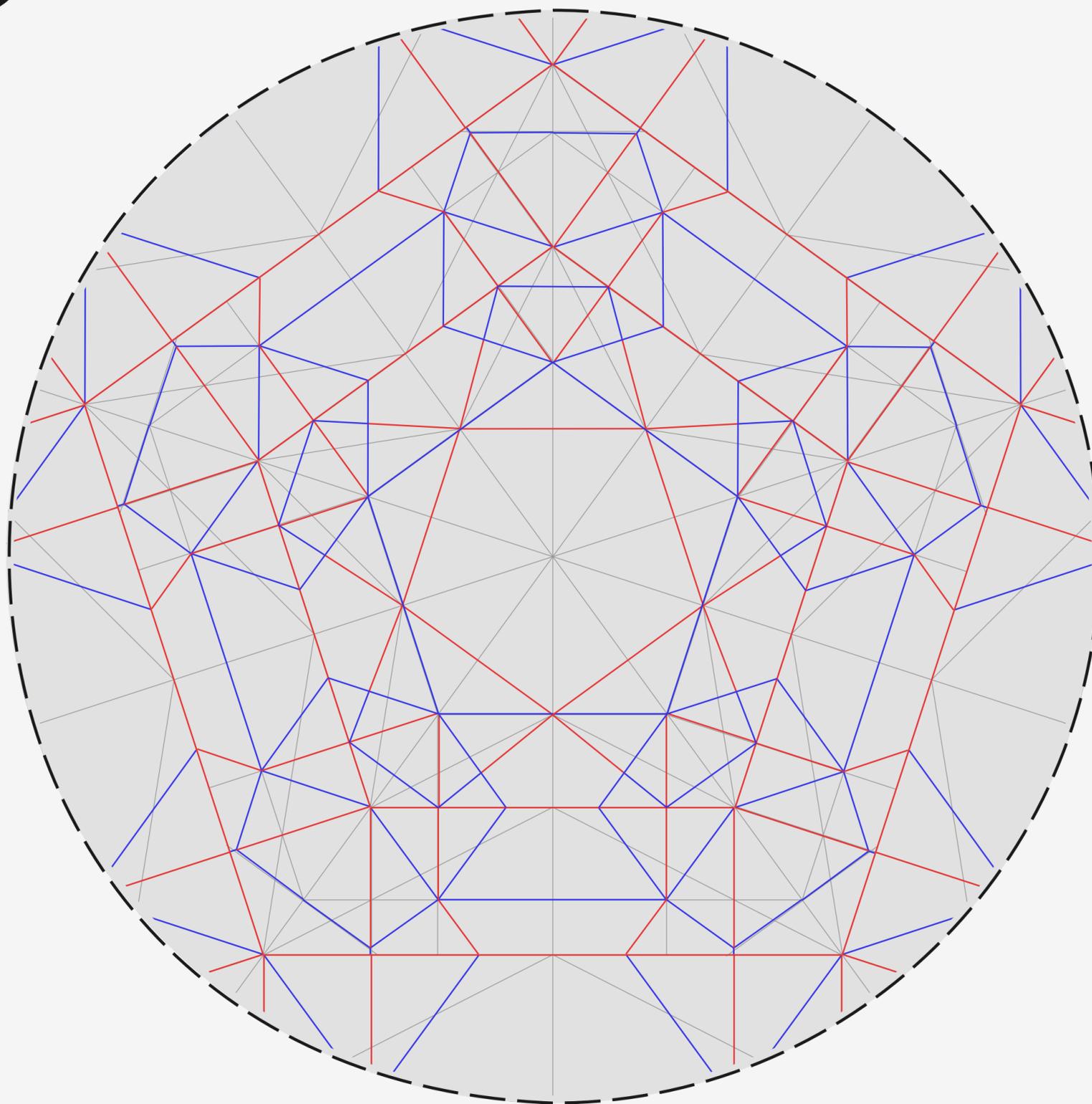
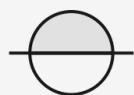
Completed crease pattern. Collapse as shown.
Circled region details the centerpiece as shown in the next step.



Asterisk Fractal

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4.2



Centerpiece detail.
Note the orientation of the folds.

