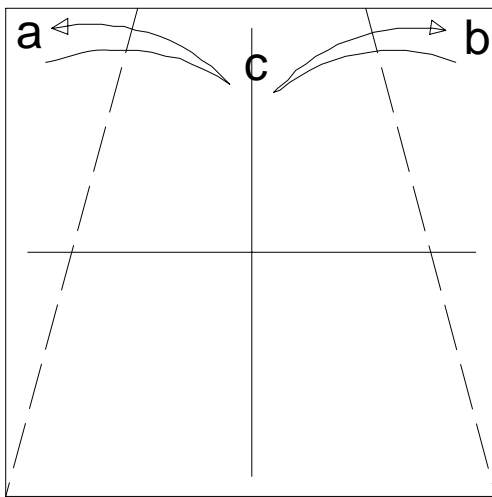
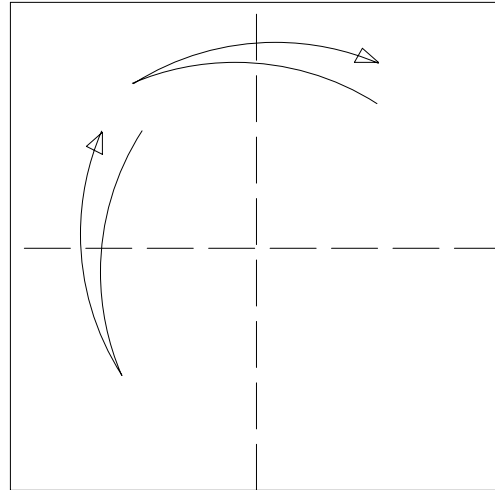


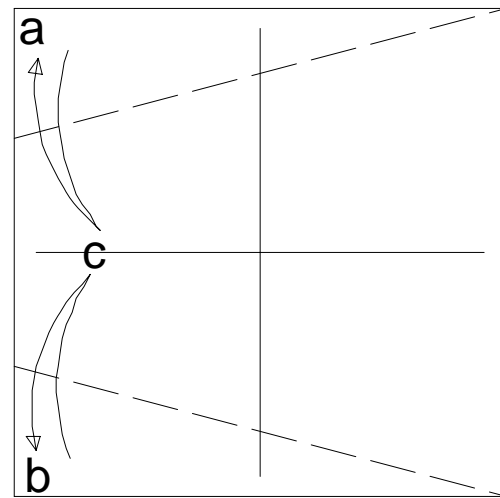
Folding the Largest Possible Regular Pentagon from a Square

Method and diagrams by James M. Clark

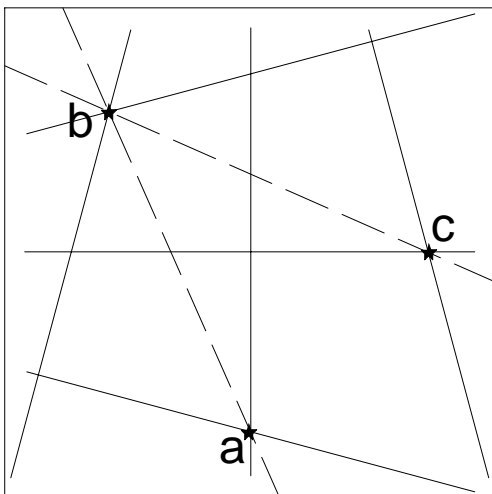
1. Fold and unfold (crease) the square both horizontally and vertically.



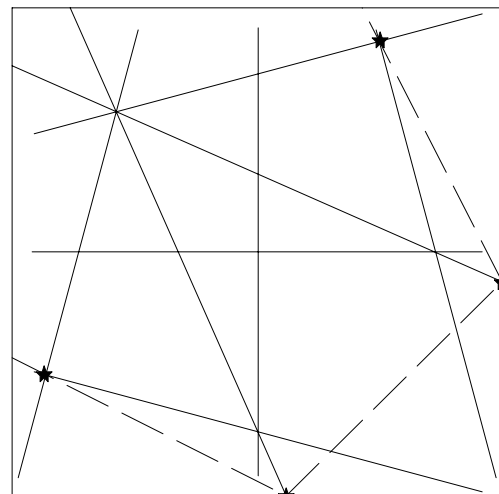
2. Fold and unfold corner **a** toward crease **c**; likewise corner **b** toward crease **c**. (Makes 15-degree angles.)



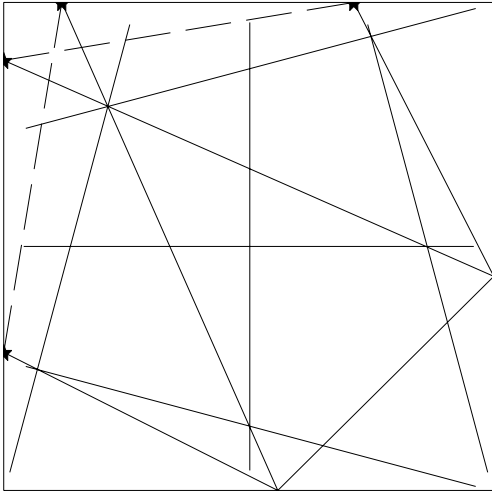
3. Fold and unfold corner **a** toward crease **c**; likewise corner **b** toward crease **c**. (More 15-degree angles.)



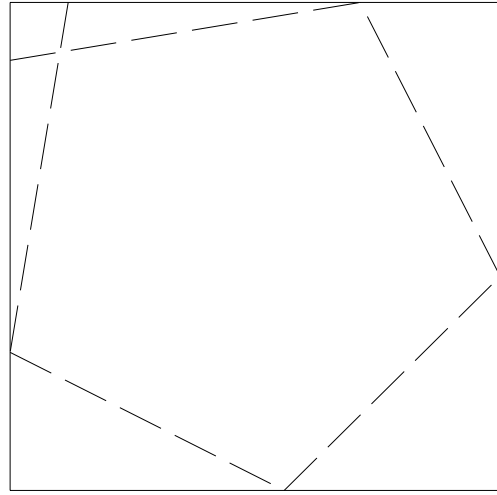
4. Make two new creases as shown through landmarks **a**, **b**, and **c**, which are intersections of previous creases.



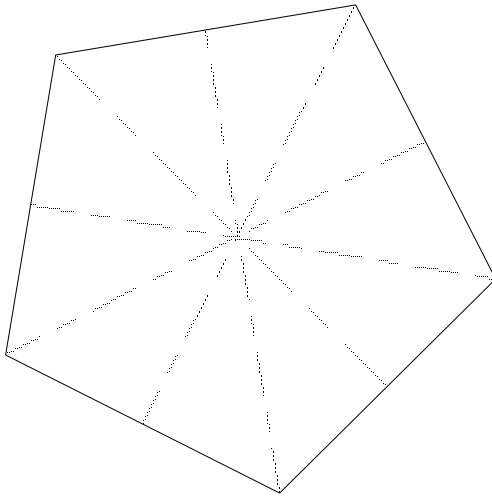
5. Make three more creases through the landmarks as shown.



6. Make two more creases through the landmarks as shown.



7. Valley-fold on existing creases to form a pentagon. Or, cut on these creases.



8. Often, designs using a pentagon require the pentagon to be pre-creased in half five ways, like this, which locates the center of the pentagon, which is NOT the center of the original square.