

# It's Snowing!









NAME \_\_\_\_\_

Follow the instructions to create a personalized, six-sided snowflake. All natural snowflakes have six sides. Why do you think this is? How many lines of symmetry are in a snowflake?

## General Guidelines

- Try to make exact creases. Better creases will result in a more symmetrical snowflake.
- Printer paper can be thick and difficult to cut. Use either sharp scissors or thin paper if available. Tracing paper works well.
- Note that the images to the right show the paper *after* each step. Before beginning each step, read the full instructions for that step and look at the image to avoid confusion.

## Instructions

1. Begin with a piece of 8.5"×11" paper held portrait style: . Fold in half horizontally, and then in half vertically. Unfold once so the paper is still folded in half and has a vertical crease through the middle. 
2. Fold the right and left edges towards the center crease and unfold. The paper will still be folded in half, but with three vertical creases. 
3. Holding the paper with the fold on top, fold the top right and top left corners as shown to the right. Both folds should start at the top of the center vertical crease. The corners should lie directly on top of the 2 outer vertical creases. 
4. Turn the paper over. 
5. Fold the top angled edges towards the center crease, as shown to the right. Students sometimes call this the "paper airplane fold." 
6. Fold the paper in half along the existing crease so the flaps are visible. 
7. Cut off the excess, as shown to the right. Keep only the top triangular piece. The bottom piece can be discarded. 
8. You are now ready to cut out your own, personalized snowflake. Any cuts will be automatically reflected and rotated around the snowflake. You can cut on any side of the snowflake. Try not to cut straight through or you might end up with several pieces. When you are finished, unfold and enjoy!