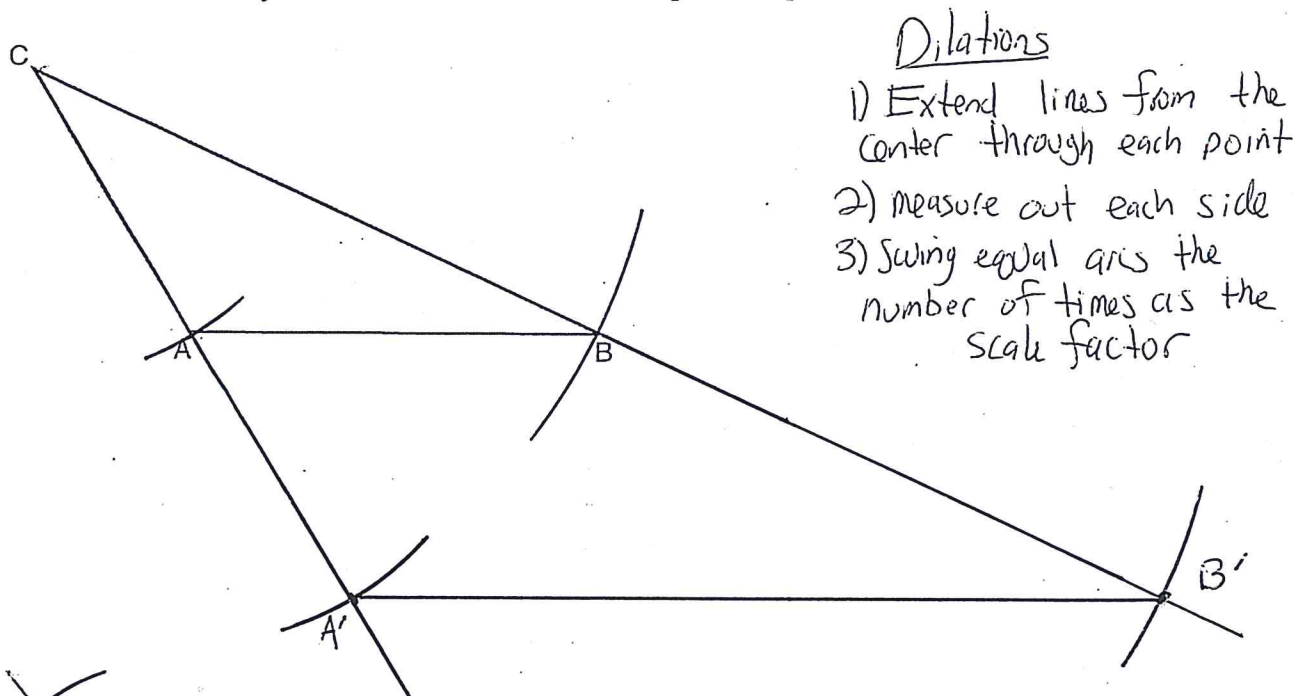


Name Schlansky  
Mr. Schlansky

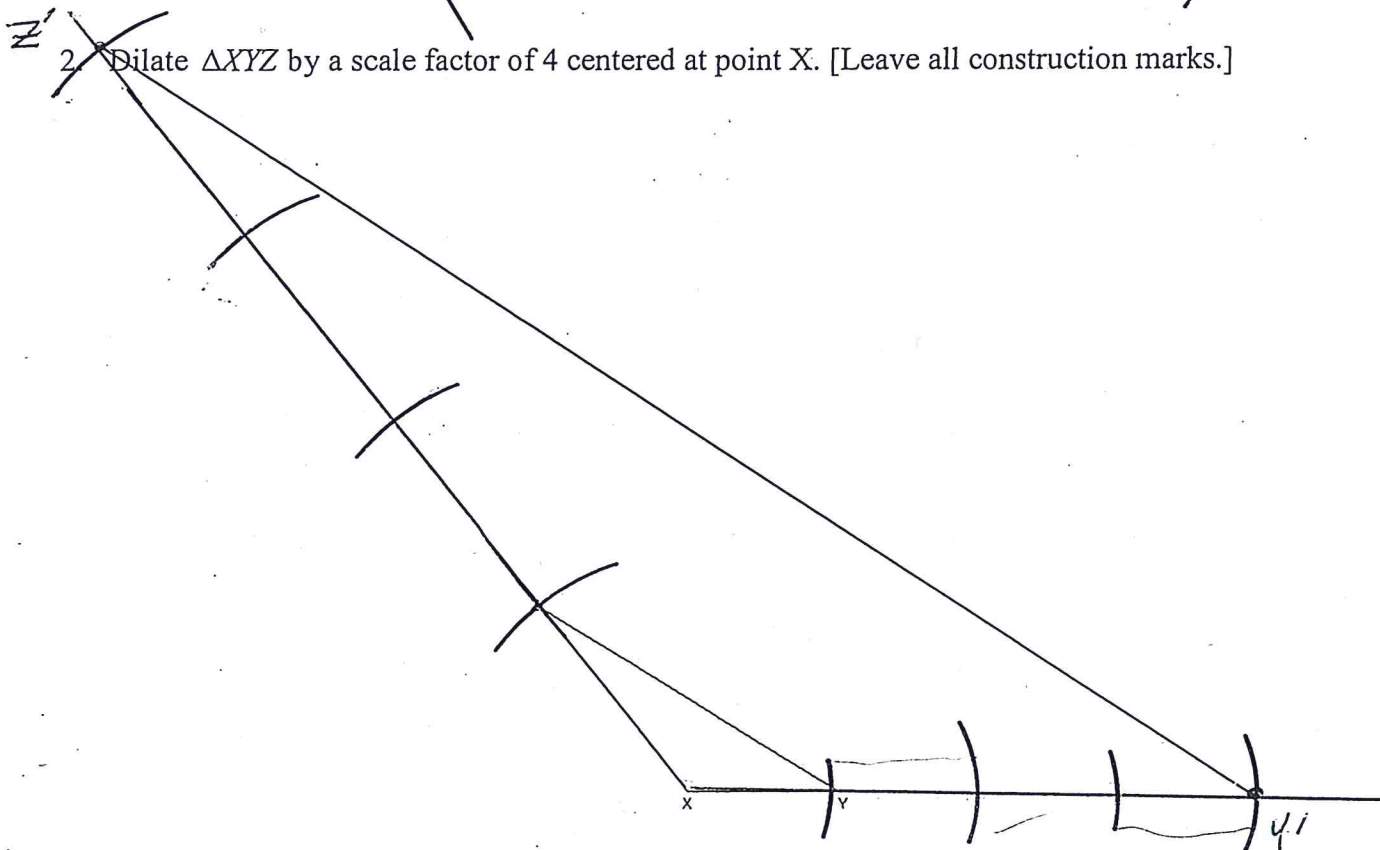
Date \_\_\_\_\_  
Geometry

## Dilating Shapes Using Constructions

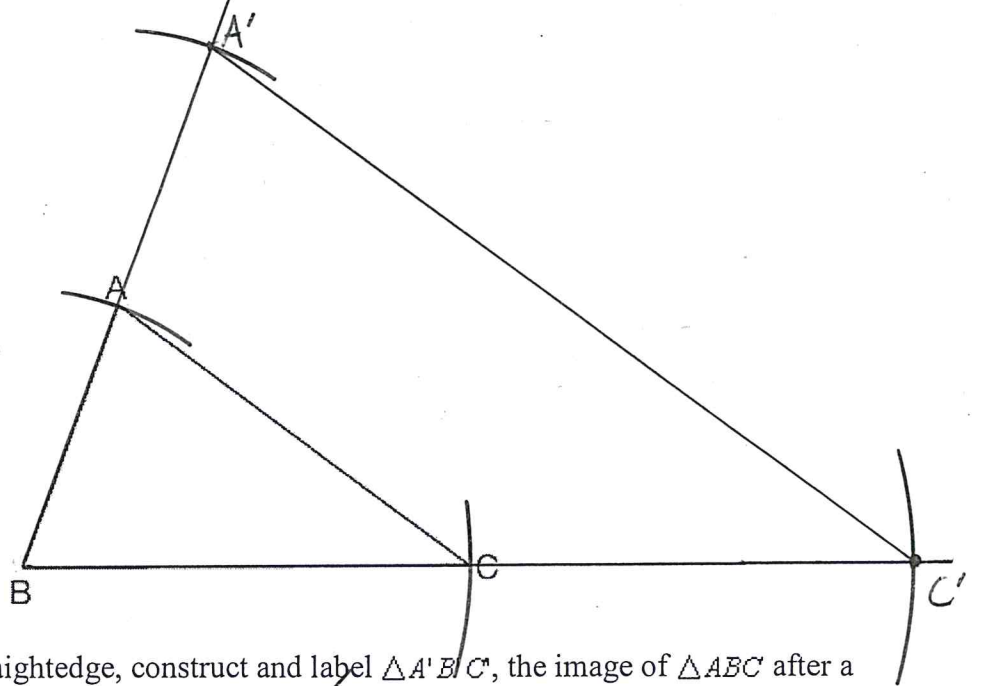
1. Dilate  $\triangle ABC$  by a scale factor of 2 centered at point C. [Leave all construction marks.]



2. Dilate  $\triangle XYZ$  by a scale factor of 4 centered at point X. [Leave all construction marks.]



3. Triangle  $ABC$  is shown below. Using a compass and straightedge, construct the dilation of  $\triangle ABC$  centered at  $B$  with a scale factor of 2. [Leave all construction marks.]



4. Using a compass and straightedge, construct and label  $\triangle A'B'C'$ , the image of  $\triangle ABC$  after a dilation with a scale factor of 3 and centered at  $B$ .

