Name _____   Date _____
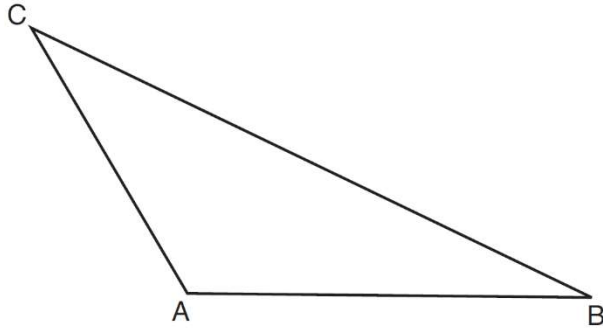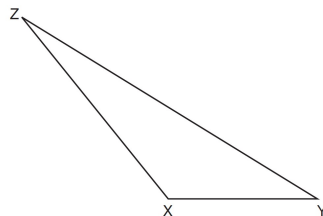Mr. Schlansky   Geometry

Dilating Shapes Using Constructions
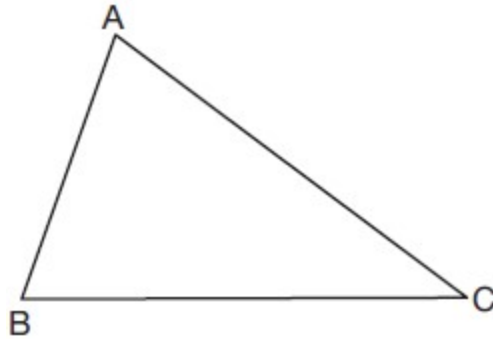
1. Dilate ΔABC by a scale factor of 2 centered at point C. [Leave all construction marks.]

C

A   B

2. Dilate ΔXYZ by a scale factor of 4 centered at point X. [Leave all construction marks.]

Z

X   Y

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

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