

Geometry CC - Unit 7  
 LESSON 3: Scale Drawings - Day 2  
 M2 L2

**Homework:**  
 HW Handout 7.3

**HW Answers 7.2**

Dec 20-10:10 PM

1) Triangle EFG is provided below, and one angle of scale drawing  $\Delta E'F'G'$  is also provided. Use construction tools to complete the scale drawing with the scale factor is  $r = 3$ . What properties do the scale drawing and the original figure share? Explain how you know.

1) Corresponding  $\angle$ 's are  $\cong$   
 2) Corresponding Sides are in proportion

Dec 20-10:10 PM

2) Triangle ABC is provided below, and one side of scale drawing  $\Delta A'B'C'$  is also provided. Use construction tools to complete the scale drawing and determine the scale factor.

① Determine the scale factor ( $r=2$ )  
 ② copy  $\cong ACB$  (corresponding  $\angle$ 's must be  $\cong$ )  
 ③ Dilate point B by a scale factor of 2

Dec 20-10:11 PM

4) Create a scale drawing of the figure below using the ratio method about center O and scale factor  $r = 3$ .

Dec 20-10:11 PM