

**Math 206 - Quiz 9**

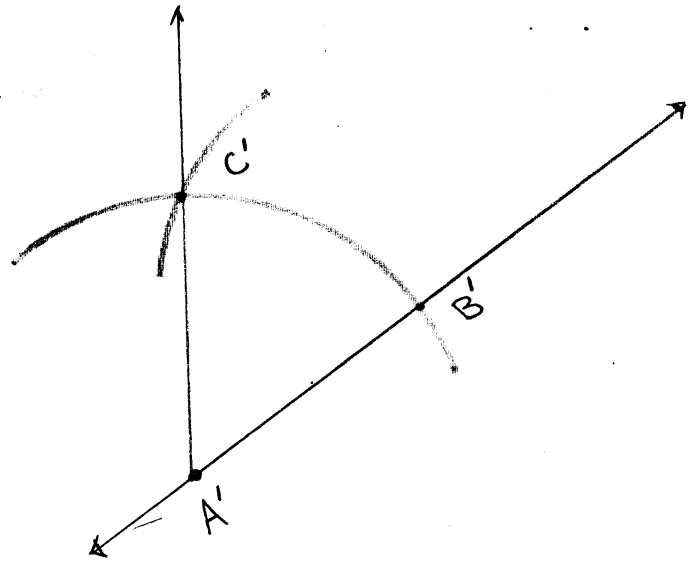
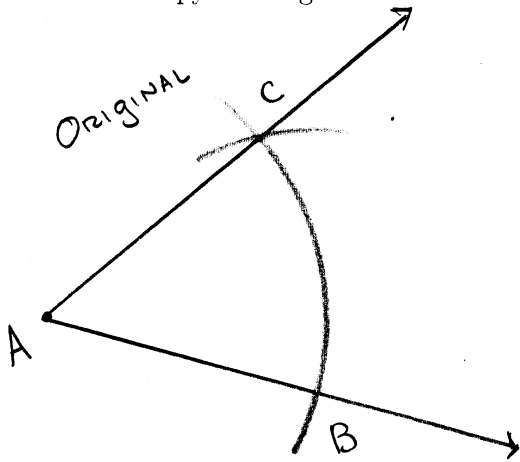
April 22, 2015

Name key

Score \_\_\_\_\_

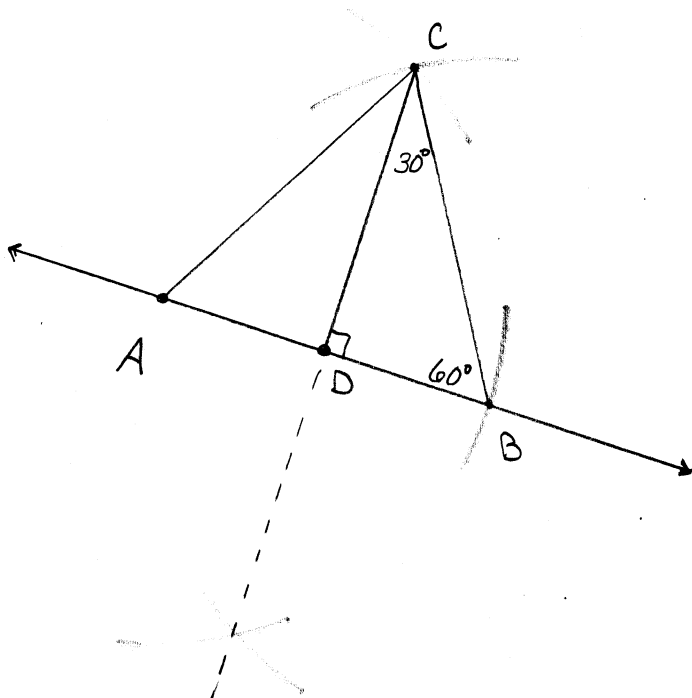
Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Use a straightedge to sketch an angle. Then use a compass and straightedge to copy the angle.



2. (2 points) Use a compass and straightedge to construct a 30°-60°-90° right triangle.

START WITH AN EQUILATERAL  $\Delta$   
AND BISECT A SIDE



$\Delta ABC$  IS EQUILATERAL

$\Delta BCD$  IS A 30°-60°-90°  
TRIANGLE.

3. (2 points) Use a compass and straightedge to construct a regular hexagon.

Six adjacent  
EQUILATERAL  $\Delta$ 's.

