Intro to Geometry   LAMC

Practice Test 1

Name, First and Last: _____

Pr 1	Pr 2	Pr 3	Pr 4	Pr 5	Pr 6	Pr 7	Total
$\overline{2}$	$\overline{3}$	$\overline{3}$	$\overline{2}$	$\overline{3}$	$\overline{2}$	$\overline{2}$	$\overline{15}$

Answers unsupported by work yield zero credit!

Problem 1   **2 pts**
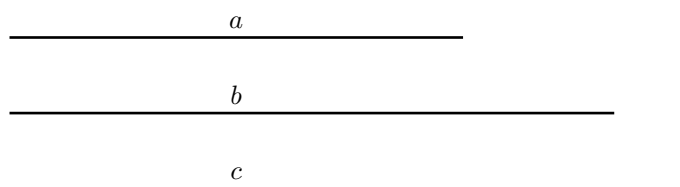
Euclid defines a straight line as *a line that lies evenly with the points on itself.* What does that mean?

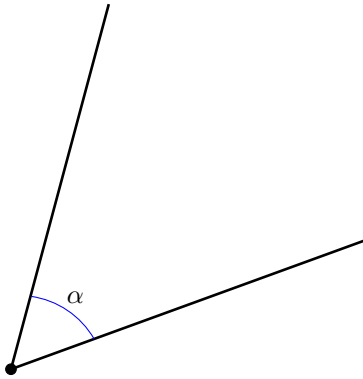# Problem 2   3 pts

Use a compass and a ruler to construct a triangle having the following sides in the space below.

a
_____

b
_____

c
_____

Problem 3   3 pts

Use a compass and a ruler to construct an angle congruent to the given angle α and based on the given ray below.

α

Problem 4   2 pts

Formulate the **ASA** congruency theorem. Do not prove it.

Problem 5   3 pts

Which one of the following is not a congruency theorem? Why?

SSS   SSA   SAS   ASA

Problem 6   **2 pts**

Points A, B, and C lie on a straight line. $AB = 5$ cm, AC is 1 cm longer than BC. Find all the possible lengths of AC and BC.

Problem 7   **Extra credit!**   **2 pts**

What is the angle between the hour and minute hand of a clock showing 3:05?