

## Practice Test 1

Name, First and Last: \_\_\_\_\_

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

Answers unsupported by work yield zero credit!

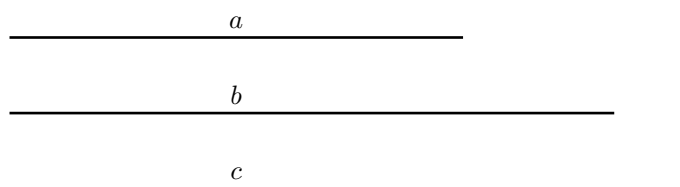
**Problem 1****2 pts**

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

**Problem 2**

**3 pts**

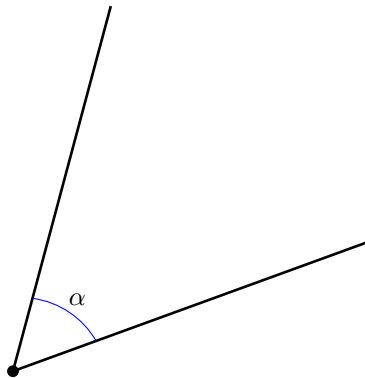
Use a compass and a ruler to construct a triangle having the following sides in the space below.



**Problem 3**

**3 pts**

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



**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.  $AB = 5 \text{ cm}$ ,  $AS$  is  $1 \text{ cm}$  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?