

Women's Academy of Excellence

Building Leaders, Building a Nation

456 White Plains Road, Bronx, NY 10473 * Tel: 718-542-0740

Ms. Florlilinda Solcruz, AP

Dr. Arnette Crocker, Principal

Welcome to Geometry Class School Year 2019-2020

Teacher: Ms. Jessa Oronce

1st Sem: **1 credit** 2nd Sem: **1 credit**

Email add: joronce@schools.nyc.gov

Regents Exam : **June 2020**

Course Overview:

The content standards associated with Geometry are based on the New York State Common Core Learning Standards for Mathematics and the PARCC Model Content Framework for Geometry. The content standards define what students should understand and be able to do at the high school level; the Model Content Framework describes which content is included and emphasized within the Geometry course, specifically. For high school mathematics, the standards are organized at three levels: conceptual categories, domains and clusters.

Geometry is associated with high school content standards within the conceptual category of Geometry. This conceptual category contains domains of related clusters of standards. This chart shows the high school mathematics domains included in Geometry, as well as the corresponding percent of credits on the Geometry Regents Exam:

Conceptual Category	Domains in Geometry	Percent of Test By Credit
Geometry	Congruence (G-CO)	27%-34%
	Similarity, Right Triangles, and Trigonometry (G-SRT)	29%-37%
	Circles (G-C)	2%-8%
	Expressing Geometric Properties with Equations (G-GPE)	12%-18%
	Geometric Measurement and Dimensions (G-GMD)	2%-8%
	Modeling with Geometry (G-GMD)	8%-15%

Name: _____ Period: ____ Date: _____

PROJECT/ HOMEWORK #1 (100 credits)

1st Semester

Packet # 1: Basic Terms Used in Geometry

Part 1:

a. What is Geometry? _____

_____.

b. Why Geometry is one of important subjects in High school?

_____.

c. What are at least 3 different careers that involve Geometry skills?

*** Describe the career (specially describe the work or duties)**

*** Salary Scale**

*** Skills needed (Geometry related skills)**

*** Educational skills needed**

Part 2:

1. Definition of Basic Terms in Geometry(*Note: Your definition should be related to geometry*)

a. Point- _____

b. Line- _____

c. Plane- _____

d. Collinear- _____

e. Coplanar- _____

f. Space- _____

g. Ray- _____

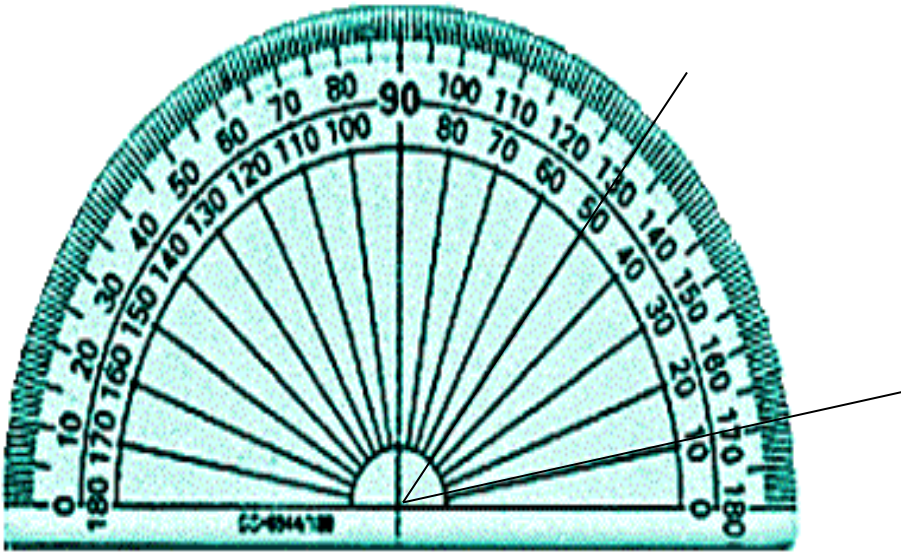
h. Line Segment- _____

i. Parallel Lines- _____

j. Perpendicular Lines- _____

k. Different kinds of Angles

2. A student measure the angle as shown below, she said the measure of the angle is 50° (degree). Is she correct? Why or why NOT

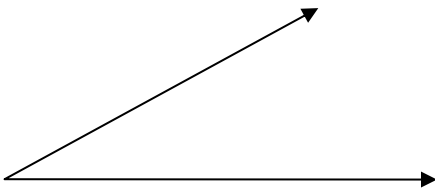


ANSWER: _____

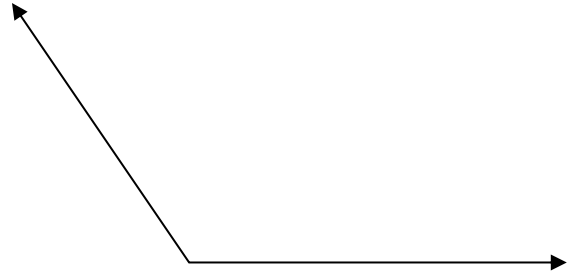
Directions:

- Identify what kind of angle as shown below.
- Use your protractor. Find the measure of each angle.

1.



2.



3.



4.

