7

Mathematics Activity Sheet
Quarter 3 – MELC 3
Classifying the Different Kinds of Angles

REGION VI – WESTERN VISAYAS

Mathematics 7
Learning Activity Sheet Quarter 3 – MELC 3: Classifying the Different Kinds of Angles
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Introductory Message

Welcome to Mathematics for Grade 7!

The **Learning Activity Sheet** is a product of the collaborative efforts of the Schools Division of Cadiz City and DepEd Regional Office VI - Western Visayas through the Curriculum and Learning Management Division (CLMD). This is developed to guide the learning facilitators (teachers, parents and responsible adults) in helping the learners meet the standards set by the K to 12 Basic Education Curriculum.

The **Learning Activity Sheet** is self-directed instructional materials aimed to guide the learners in accomplishing activities at their own pace and time using the contextualized resources in the community. This will also assist the learners in acquiring the lifelong learning skills, knowledge and attitudes for productivity and employment.

For learning facilitator:

The **Mathematics Activity Sheet** will help you facilitate the leaching-learning activities specified in each Most Essential Learning Competency (MELC) with minimal or no face-to-face encounter between you and learner. This will be made available to the learners with the references/links to ease the independent learning.

For the learner:

The **Mathematics Activity Sheet** is developed to help you continue learning even if you are not in school. This learning material provides you with meaningful and engaging activities for independent learning. Being an active learner, carefully read and understand the instructions then perform the activities and answer the assessments. This will be returned to your facilitator on the agreed schedule.
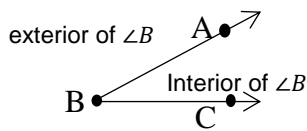
Learning Activity Sheets (LAS) No. 3

Name of Learner: _____
Grade and Section: _____ Date: _____

MATHEMATICS 7 ACTIVITY SHEET
Classifying the Different Kinds of Angles

I.   Learning Competency with Code

Classifies the Different Kinds of Angles **(M7GE-IIIa-3)**

II.   Background Information for Learners

An **angle** is the union of two noncollinear rays called *sides* with a *common endpoint* called the **vertex**.
In the figure, $\overrightarrow{BA}$ and $\overrightarrow{BC}$ are the *sides* of the angle while Point B is the *vertex.* There are two regions that the angle separates the plane*,* the *interior* and the *exterior* of the angle*.*

exterior of ∠B   A

Interior of ∠B
B
C

Angles can be classified according to measures. Study the table below.

Angle	*Name of the Angle*	*Measure of the Angle*	*Classification*
A	∠ A	Greater than 0˚ but less than 90˚	**Acute Angle**
B	∠ B	Equal to 90˚ (formed by perpendicular lines, denoted by the symbol ⌐)	**Right Angle**
C	∠ C	Greater than 90˚ but less than 180˚	**Obtuse Angle**

Illustrative Examples

Using the figure on the right, the following angles are identified.

1. ∠*EBD*   <u>Acute Angle</u>
2. ∠*ABC*   <u>Right Angle</u>
3. ∠*FBE*   <u>Acute Angle</u>
4. ∠*ABD*   <u>Acute Angle</u>
5. ∠*FBC*   <u>Obtuse Angle</u>

1
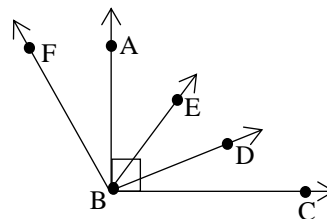
III. Accompanying DepEd Textbook and Educational Sites

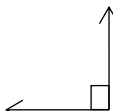Mathematics Learner's Material pages 196-197
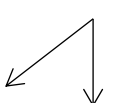
IV. Activity Proper

1. Directions / Instructions
You may refer to pages 196-197 of Mathematics Learner's Material for further information about this lesson.
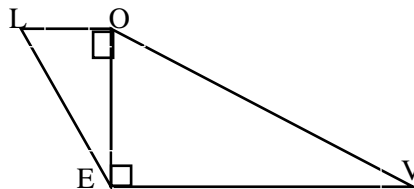
2. Exercises / Activities
Exercise 1

Identify the angles by writing **right angle**, **acute angle**, or **obtuse angle** on the line.

1.

_____

2.

_____
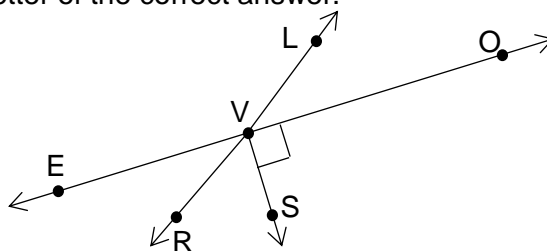
3.

_____

4.

_____

5.

_____

Exercise 2

Using the figure below, name all the angles that appear/s to be **acute angle, right angle,** or **obtuse angle**.

Classification of Angle	Identified Angle/s (Name of Angle)

Exercise 3: Use the figure below. Give another name for the angle in the diagram. Choose the letter of the correct answer.

1. What angle appears to be a right angle?
   A. ∠OVS   B. ∠LVS   C. ∠EVR

2. What angle appears to be an acute angle?
   A. ∠RVS   B. ∠LVR   C. ∠OVR

3. What angle appears to be an obtuse angle?
   A. ∠EVO   B. ∠SVL   C. ∠EVS

4. What kind of angle is ∠EVS?
   A. acute angle   B. right angle   C. obtuse angle

5. What kind of angle is ∠LVE?
   A. acute angle   B. right angle   C. obtuse angle

3. Guide Questions

Answer the following questions:

1. What difficulty did you encounter in classifying angles using the different figures?

2. Were you able to identify the kind of angle being defined or illustrated?

V.   Reflection

Answer the following questions:
a. What have you learned from this lesson?
b. How would you apply your knowledge in classifying the different kinds of angles to the real-life situations?

_____
_____
_____
_____