Date	Date		
COURSE: MSC III MODULE 5: Geometry UNIT 1: Measurement			
tangles and Squares Students Logis			
ou work through the tutorial, complete the following.			
hat is your mission for this lesson? <u>explore rectangles</u>	Key Words:		
rectangle is <u>a 4-sided closed figure</u> that has the right angles. ch angle in a rectangle measures <u>90°</u> . Each corner of a	Rectangle Square Perpendicular (J Parallel () Plane Perimeter		
tangle is the <u>VELLEX</u> of an angle.	Area of a rectan		
ure ABCD is a rectangle. The letters, A, B, C, SleS and D, represent each verex.	Objectives: • Examine the properties of a rectangle and a square.		
The <u>Phatrints</u> of a segment, such as A and B, can be used to refer to the <u>SideS</u> of a rectangle. Segment AB can	Define perpendicular of parallel lines. Calculate the perimeters of		
also be written as \overline{AB} . The letters.	rectangles and squares. • Explore the relationship between the		
the <u>Vertex</u> is always named by the middle letter.	perimeters and areas of rectang and squares.		
he other letters represent a <u>Point</u> on each <u>side</u> f the angle.			
ne symbol for an angle is			
rectangle ABCD above, use 3 letters to name the angle with artex A. $\angle DAB$ or $\angle BAD$			
that is the measure of each angle?90°			



- and

Destination Math

Name	200
	Date
·)	
	William was a state of the stat
	Marining M. 1889
	Studeni (
6. Four ways to name the rectangle	in question 4 are <u>ABCD</u> , <u>DABC</u> .
7. a. A <u>Square</u> is a rectangle v	rith four <u>equel</u> sides.
b. Every <u>Square</u> is a <u>rectangle</u> is a <u>squa</u>	ve.
8. Lines that meet to form right angle	s are said to be perpenduallines.
9. AB is perpendicular to BC. W	e can write this as $\overrightarrow{AB} \perp \overrightarrow{BC}$.
10. A plane is a flat surface that g	
11. Lines in a plane that never meet are for this term is	
12. Figure ABCD is a rectangle. Use the symbols for parallel and	A B and a second
perpendicular lines to complete	A second of the second of
each statement about the sides of this rectangle.	р
a. $\overline{AB} \perp \overline{BC}$ b. $\overline{BC} \perp \overline{DA}$	
13. Perimeter is the Jun of the Lingth	of the sides of a figure.
14. Area is the number of square	units in a figure.
The area of a rectangle is equal to it or $A = \underbrace{1 \times w}$.	s length times it width,

COURSE: MSC III
MODULE 5: Geometry
UNIT 1: Measurement

ngles

Siwdeni Logbook wing.

u work through the tutorial, complete the following.

at is your mission for this lesson? to explore triangles

iangle is a three-Sided closed figure.

can use the symbol \triangle in front of the letters BMS to name the gle that represents the Bermuda Triangle, for CKOM PLE

ince each letter that names a triangle represents the <u>VELTEX</u> an angle, we can write the letters in any order.

ree other possible names for $\triangle BMS$ are $\triangle MSB$, $\triangle MBS$, and $\triangle SBM$.

ngle that has two equal sides is an <u>ISCOLOS</u> triangle.

ngle that has three equal sides

this triangle to show that all of its sides are equal.



gle that has no equal sides is a <u>SCalene</u> triangle.

each triangle as isosceles, equilateral, or scalene. CTriangles by Sides





ules b. scalene

c. equiloteral

Key Words:

Triangle
Vertex of a triangle
Scalene triangle
Isosceles triangle
Equilateral triangle
Acute triangle
Right triangle
Obtuse triangle

Learning Objectives:

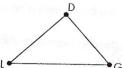
- Classify triangles according to the measures of their sides.
- Determine that the sum of the angles in a triangle equals 180°.
- Find the perimeter of a triangle.
- Classify triangles according to the measures of their angles.

Destination Math

Thanke of

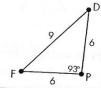
Logbool

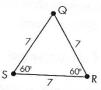
- **8.** A triangle that has three acute angles is called an _acute__ triangle.
- **9.** A triangle that has an obtuse angle is called an triangle.
- 10. A triangle that has a right angle is called a 119ht triangle
- 11. The SUM of the measures of the angles of any triangle is 1800.
- 12. In $\triangle LDG$, if $\angle DGL + \angle GLD = 90^{\circ}$, then $\angle LDG = \frac{180^{\circ}}{10^{\circ}} \frac{90^{\circ}}{10^{\circ}} = \frac{90^{\circ}}{10^{\circ}}$. So $\triangle LDG$ is a triangle.



- 13. We can name any triangle based on the measures of its _Sides _ and the measures of its _Sides _.
- 14. Describe these triangles based on the measures of their sides and the measures of their angles.

3	3	,
	53	_
/	5	
/		
	3	3 53° 5





By angles: By sides:

△BOL	△DPF	△QRS
right	obtuse	acute (equipm
Scolene	isoceles	equilater of