MPM 2D Handout
Introduction to Chapter 2: Vocabulary and Review

****All of the information needed to complete this handout can be found on pages 464 – 465 and 483 - 484 in your text and in the Glossary of Terms at the back of the text.****

Part 1: Essential Vocabulary

Term	Definition	Diagram/Example	Term	Definition	Diagram/Example
Pythagorean Theorem			Right Triangle		
Equilateral Triangle			Scalene Triangle		
Isosceles Triangle			Centroid		
Median			Circumcenter		
Perpendicular Bisector			Orthocenter		
Altitude			Midsegment		
Quadrilateral			Rhombus		
Parallelogram			Square		
Rectangle					

Part 2: Short Answer Questions

1. How can you tell that two lines are parallel? Perpendicular?

2. What is the sum of the interior angles of a triangle?

3. What is the sum of the exterior angles of any shape?

4. Draw a diagram to show how an exterior angle of a triangle is related to its two remote interior angles.

5. Complete the following chart to summarize the properties of quadrilaterals (p. 101). Include a diagram in the first column.

Type of Quadrilateral	Properties of Angles	Properties of Side Lengths
Rhombus		
Square		
Parallelogram		
Kite		
Rectangle		

Do the Diagonal Patterns activity on p. 71 in your text book to discover the properties of the diagonals of quadrilaterals. You do not need to do the isosceles trapezoid. Then do p. 484 #1.