

Learning Works Charter School

Integrated Math IB Module 10



Student	ame: Teacher Name:	
make co	rk through the chapters in your Integrated Math 1 course, you will be encouraged to think ectures while you persevere through challenging problems and exercises. You will make error! Learning and understanding occur when you make errors and push through mental roadlend and solve new and challenging problems.	ors – and
Text: I	grated Math I, Big Ideas, 2016	
	To ensure you are learning, you must show your work for all exercises. YOU WILL NOT EARN CREDIT FOR ANSWERS WITHOUT WORK.	
Chapte	12: Congruent Triangles (12.1-12.8) Idintaining Mathematical Proficiency (page 585): Complete exercises #1-8 all 2.1 Angles of Triangles: Read the lesson and complete exercises 1, 3-7 all, 11-16 all, 19, 23, 27 2.2 Congruent Polygons: Read the lesson and complete exercises 3-8 all, 13, 14, 16, 17, 26, 27, 28 2.3 Proving Triangle Congruence by SAS: Read the lesson and complete exercises 1, 2, 3, 5, 7, 9, 10, 13, 25, 32, 33, 34 2.4 Equilateral and Isosceles Triangles: Read the lesson and complete exercises 1, 2, 7-11 all, 19, 42, 43, 44 2.5 Proving Triangle Congruence by SSS: Read the lesson and complete exercises 1, 3-8 all, 15, 19, 37, 38, 39, 40 2.6 Proving Triangle Congruence by ASA and AAS: Read the lesson and complete exercises 1, 3, 4, 5, 6, 9, 16, 34, 35, 36 2.7 Using Congruent Triangles: Read the lesson and complete exercises 1, 3, 4, 5, 8, 23	
Studen	must complete the Chapter Review and Project with a teacher or tutor at school.	
	hapter Review (pages 646-650): Complete exercises #1-25 all omplete the attached Project (No project = No credit)	
A teac	r or tutor reviewed the Chapter Review and Project with the student.	
Date: _	Signature:	



Integrated Math 1 Project Module 10: Congruent Triangles Textbook Pages 585-652

Creating A Logo

Many company logos make use of geometric shapes, including congruent triangles. What are the properties of these shapes that make them attractive? For this project you will learn about the process of logo design. Then, following the constraints given, you will create your own logo and justify how your shape contains the required properties.

First, watch the following video: https://www.youtube.com/watch?v=x3jTSB2ez-g
Search for: The Art of Logo Design, Off Book, PBS Digital Studios

1. Search the Internet and find two different company logos that include a variety of basic shapes. Make sure each logo has at least one triangular shape. Sketch the logos below and use terminology from this chapter to describe the triangle(s) used in each one.

Logo l	
Trianala(a)	
Triangle(s)	
Logo 2	
Triangle(s)	

the logo include one scalene triangle, two CONGRUENT isosceles triangles, and one obtuse triangle. Use the space below to try some design ideas and use the space below that for your final logo design. You should use a protractor and a ruler. Be sure to include color!
logo design. You should use a protractor and a ruler. Be sure to include color!
FINAL DESIGN:

describing how you used the required triangles in your design, and how you know the isosceles triangles are congruent. The president knows his geometry so be sure to use plenty of vocabulary from this chapter when you describe your design.					