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### Using Sales to Understand Math Concepts with TI Calculator

Thomas DeMond

*The College at Brockport*

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For your **TI Technologies** lesson and using the following prompts, please provide a rich **one-page, single-spaced** description or a *vision* of your best thinking on a way or ways you might teach the planned lesson using the TI technology. Pay special attention to the modeling package in your description. Also, construct and submit a tentative rubric that you might use with your students. \*\* see example page 5

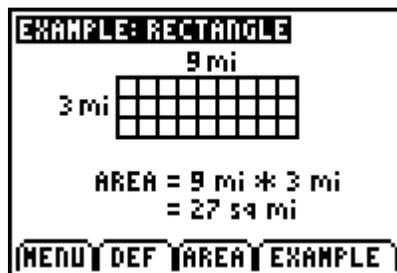
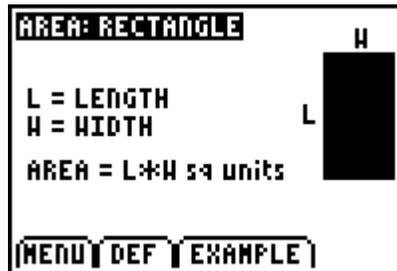
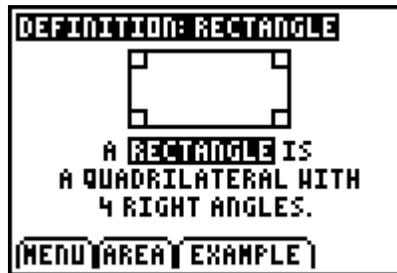
Target	Does not meet standard	Meets Standard	Exceeds Standard	
Student programs TI-84 Calc to derive the answer				
Student uses Calc to learn about The subject				
Student can describe problem				
Student accomplishes lesson objective				
	0	1	2	

“...a rich **one-page, typed, single-spaced**, description or a *vision* of your best thinking...”

Prompts:

1. How will you assess the prior knowledge of the student?
2. How will you begin the lesson?
3. What are the teacher and students doing every 5-10 minutes? (Teacher Actions and Student Actions)
4. How will you assess the learning for the lesson?
5. How will TI be integrated into your teaching? (i.e. you may want to discuss a problem or describe how you might use the chosen modeling package in your plan. How does the model/tool help the concept(s) to be taught)?

I was thinking about beginning the class with a background activation exercise and assessment by giving a pretest to assess what students know about area. Next, I would present a 10 – 15 minute demonstration of the basics of using area modeling software. I would demonstrate the area formulas application on the TI4 calculator. The class would view 6 geometric shapes in the following manner:





## Student Assessment

Pre-test

Post Test (check one)

Use complete sentences to define the following words:

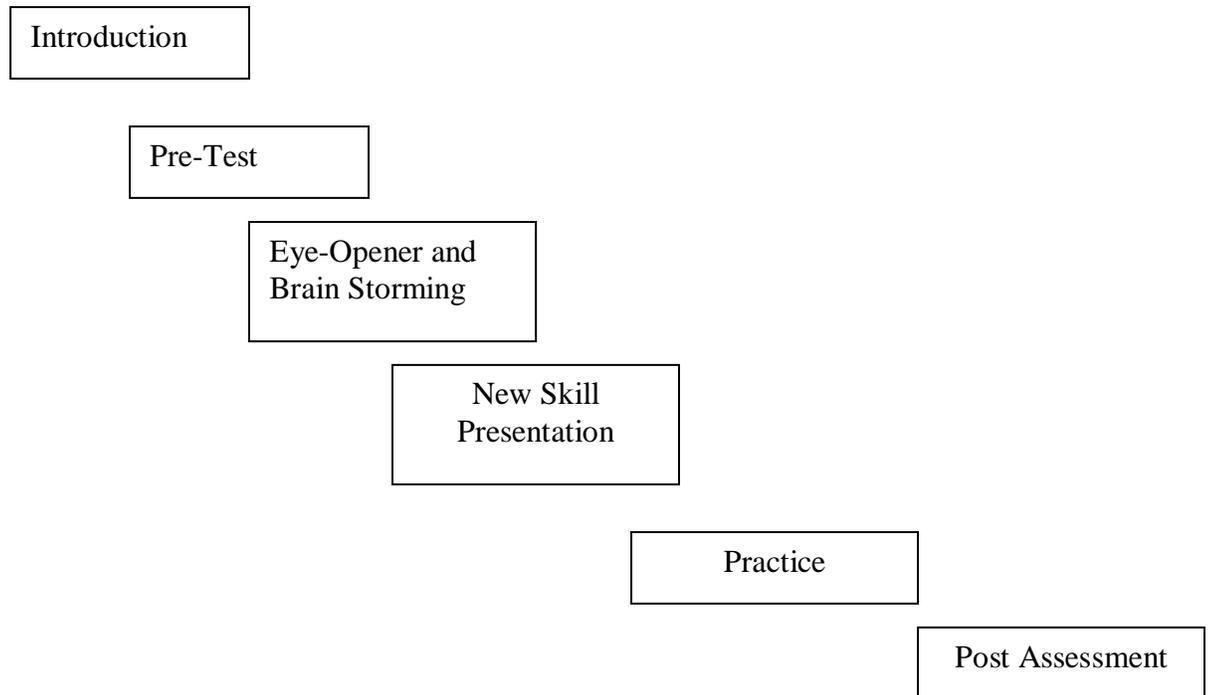
Rectangle  
Square  
Parallelogram  
Trapezoid  
Circle  
Polygon

Write the formula for the area of a rectangle.

Write the formula for the area of a trapezoid.

If you measure a parcel of land, and the North side is 50 feet, South side – 75 feet, West side 60 feet, east side 75 feet, distance from north to south side is 50 feet. What is the area of the land.

## Lesson Flow Chart



Flow Chart showing lesson parts.

### Additional Objectives:

85% of the class will have an increased ability to use tool and method as evidenced by

- Pass post test
- Complete exercise
- Participate in lesson
- Use TI-84 calc to compute area by entering equation
- Use calc to complete Apps/AreaForm/area quiz successfully, after studying definitions and formulas.