### Take home quiz - due Monday, October 7, 2019

### Unit 1, Lesson 1: Tiling the Plane

Write your best definition of area.

### Unit 1, Lesson 2: Finding Area by Decomposing and Rearranging

The square in the middle has an area of 1 square unit. What is the area of the entire rectangle in square units? Explain your reasoning.



### Unit 1, Lesson 3: Reasoning to Find Area

A maritime flag is shown. What is the area of the shaded part of the flag? Explain or show your reasoning.

### Unit 1, Lesson 4: Parallelograms

How would you find the area of this parallelogram? Describe your strategy.



### Unit 1, Lesson 5: Bases and Heights of Parallelograms

Parallelograms S and T are each labeled with a base and a corresponding height.



1. What are the values of $b$ and $h$ for each parallelogram?
	* Parallelogram S: $b$ = \_\_\_\_\_\_\_\_\_, $h$ = \_\_\_\_\_\_\_\_\_
	* Parallelogram T: $b$ = \_\_\_\_\_\_\_\_\_, $h$ = \_\_\_\_\_\_\_\_\_
2. Use the values of $b$ and $h$ to find the area of each parallelogram.
	* Area of Parallelogram S:
	* Area of Parallelogram T: