

1106 DIS 208 Week 1 (#2)

1/24/2020

Discussion Outline

- Assessment next week
- Recitation Worksheet 2

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Office hours: 3-5 Thu.

Assessment next week

- Homework 1 - due Monday (via Gradescope, Jan 27th)
- Reading Quiz 3 - due Monday (via Canvas, Jan 27th)
- Reading Quiz 4 - due Wednesday (via Canvas, Jan 29th).

- Can always ask questions on Piazza

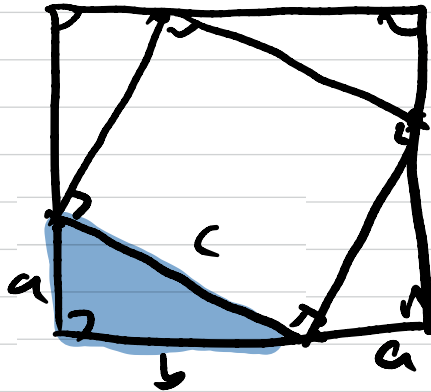
- Other resources: Stack Exchange.

Extra Exercise:

Prove Pythagoras' Thm. Method 1:

One possible way:

Consider



Method 1 area = Method 2 area.

Area = area of smaller square
+

$$\begin{aligned} & 4 \times \text{area of triangle} \\ &= c^2 + 4 \cdot \frac{1}{2} ab \\ &= c^2 + 2ab \end{aligned}$$

Method 2:

$$\begin{aligned} \text{area} &= (a+b)^2 \end{aligned}$$

Extra Questions.

In the given triangle, thinking of the sides as vectors, what is the formula for the vector going to the **centroid**?

