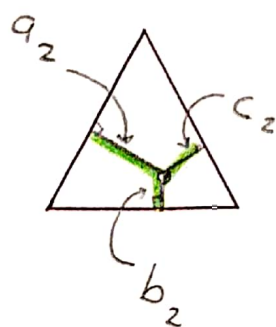
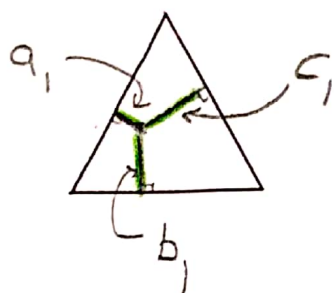


Homework!

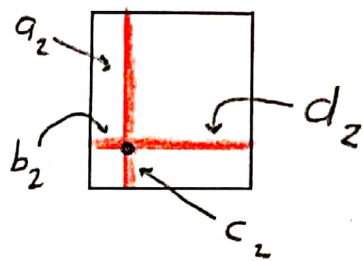
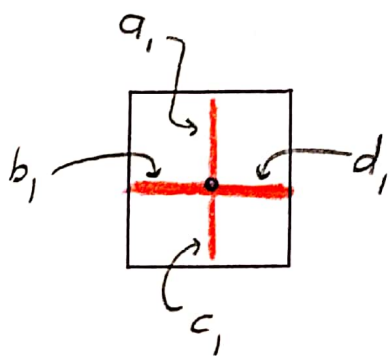
One cool idea we learned these past two weeks is a property of equilateral triangles. We learned that $a_2 + b_2 + c_2 = a_1 + b_1 + c_1$ in these drawings:



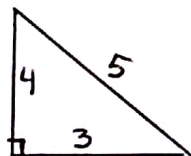
← Two equilateral triangles with side length 1 inch

The same is true for these 1-inch squares.

$$\text{Here } a_1 + b_1 + c_1 + d_1 = a_2 + b_2 + c_2 + d_2$$



- ① Does this same idea work for a regular pentagon (5 sides, all the same)?
- ② Does it work for a 3x4x5 right triangle?



Explain!