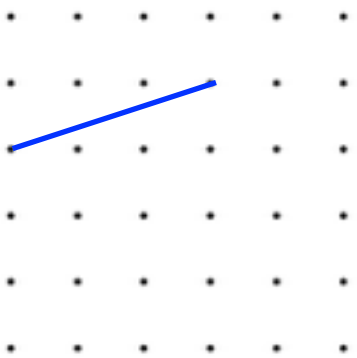
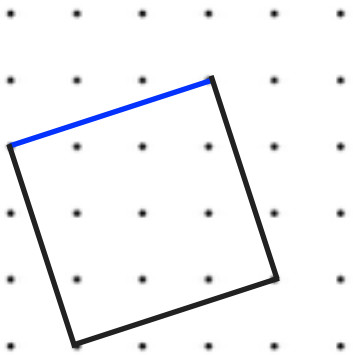
How to Find the Length of a Line



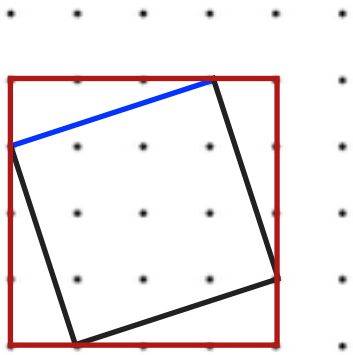
1. Use the line to create a square.

This line has a slope of 1/3 so the left and right sides of the square should have a slope of -3/1.



2. Frame the square.

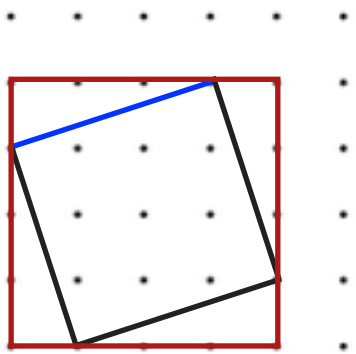
Draw a square around the outside of the square you created.



3. Find the areas.

Find the area of the red square.
Red square = 4 x 4 = 16

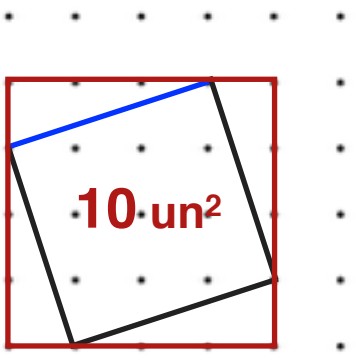
Find the areas of the outside triangles.
Triangles 4 x 1.5 = 6



4. Find the area of the small square.

Subtract the area of the triangles from the area of the big square. **16 - 6 = 10 un²**

The area of the inside square is 10 un²



5. The side length of ANY square is ALWAYS the √ of the area of the square.