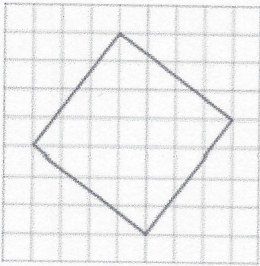## Section 1.3 – Measuring Line Segments

We can use what we know about the area of squares and triangles to find the area of tilted squares.

For example:
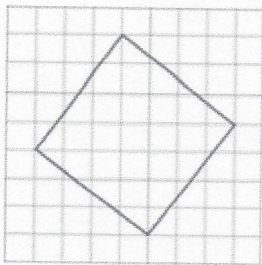
What is the area of the larger square? _____

What is the area of one triangle? _____

Using this information, what is the area of the inside square? _____
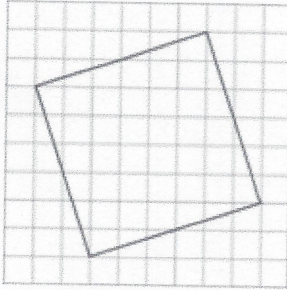
Therefore, the side length is _____.

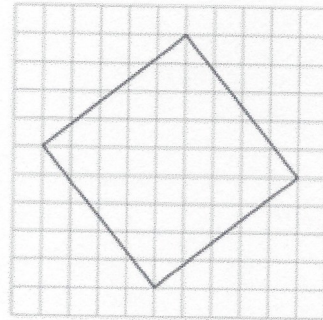We can also simply use _____.

See below:

In the following two diagrams, find the length of the tilted square using whichever method you prefer:

a)

b)

Textbook: Page 20, #'s 3 – 8, 10