Square inscribed in triangle

Drag a red point to change the triangle or square.

4.64

2.82

2.82

2.82

7.19
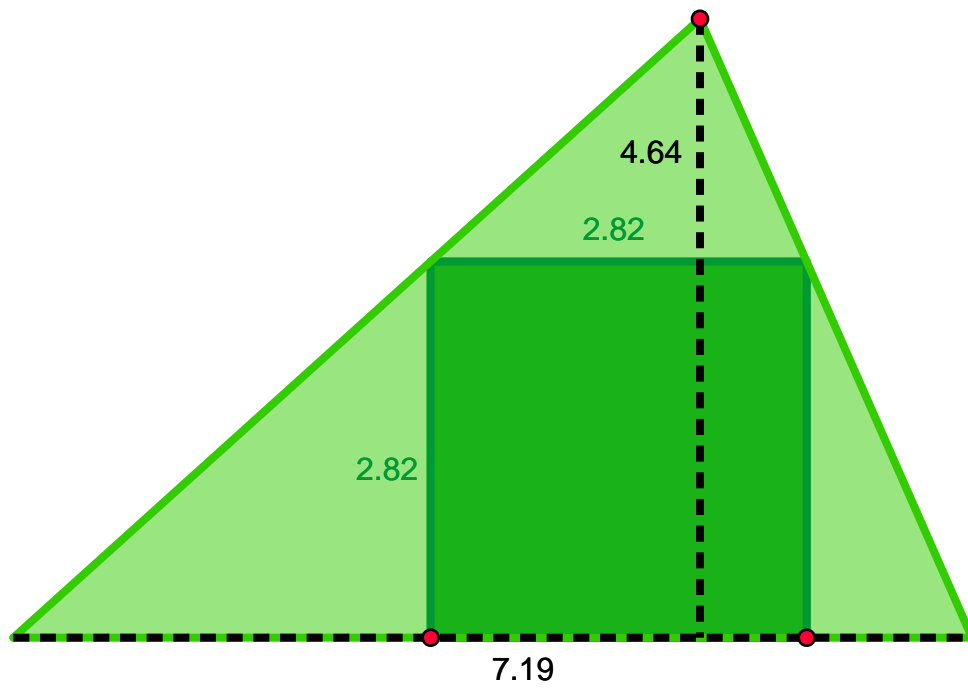
square side length s =2.82

triangle base b = 7.19

triangle height h = 4.64

bh/(b+h) = 2.82