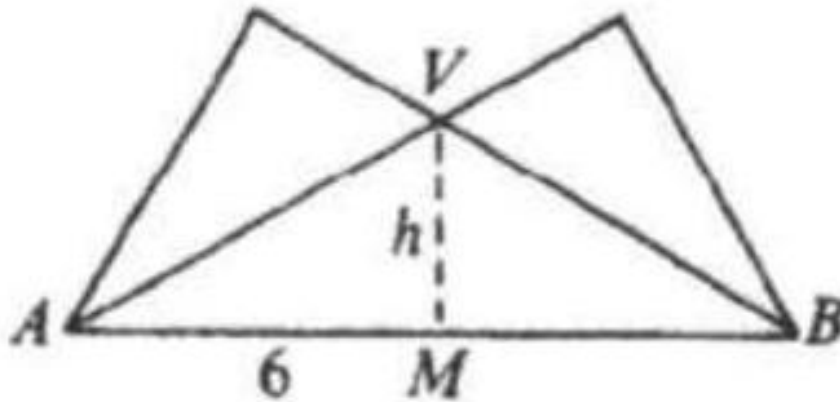


## Problem 6

### Problem

(AMC) Two congruent  $30^\circ - 60^\circ - 90^\circ$  triangles are placed so that they overlap partly and their hypotenuses coincide. If the hypotenuse of each triangle is 12, the area common to both triangles is

- (A)  $6\sqrt{3}$
- (B)  $8\sqrt{3}$
- (C)  $9\sqrt{3}$
- (D)  $12\sqrt{3}$
- (E) 24



### Solution

Solution not available.