Geometry (Area) Type of Problems in AMC

Problem		Solution
AMC 8 – Beginner A, B, C, and D are int the rectangles shown the rectangles, determ C in 20 in ² D in 15 in ²	Evel egers representing the lengths of below. Given the indicated areas of ine the values of A, B, C, and D. B in 14 in ²	5 in (A) & 2 in (B) & 4 in (C) & 3 in (D)
AMC 8 – Intermediate Level A, B, C, D, and E are integers representing lengths in inches, as shown below. The central shaded region is a square. Using the given areas of the surrounding rectangles, determine the values of A, B, C, D, and E.		A = 2, B = 6, C = 7, D = 5, and E = 1
A in	B in	
16 in ²	42 in ² C in	
12 in ²	25 in^2	

<mark>To continue</mark>

AMC 8 – Advanced Level (AMC 10)

Four triangles are enclosed in a rectangle as below. If the areas of the three corners are specified, what is the area of the central (shaded) triangle?



