Choose your best example of your skills

Your sample should be developed as a C# Web Api endpoint with an optional JavaScript front end and should be posted to GitHub for review. Please provide your recruiter with the link for the source code. If preferable, you can opt for a light technical exercise on a white board at the time of the technical interview.

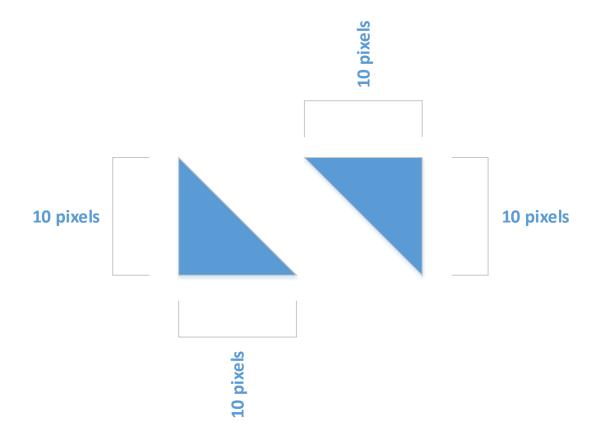
Geometric layouts

1.A - The task, calculate the triangle coordinates for an image with right triangles such that for a given row (A-F) and column (1-12) you can produce any of the triangles in the layout below:

A2	A4	A6	A8	A10	A12
A1	A3	A5	A7	A9	A11
B2	B4	В6	B8	B10	B12
B1	В3	B5	В7	В9	B11
C2	C4	C6	C8	C10	C12
C1	C3	C5	C7	C9	C11
D2	D4	D6	D8	D10	D12
D1	D3	D5	D7	D9	D11
E2	E4	E6	E8	E10	E12
E1	E3	E5	E7	E9	E11
F2	F4	F6	F8	F10	F12
F1	F3	F5	F7	F9	F11

Each non-hypotenuse side of the triangle is as follows:

60 pixels



1.B - Lastly, given the vertex coordinates, calculate the row and column for the triangle:

