3D Shape Challenges

Here are the six faces of a cube - in no particular order:













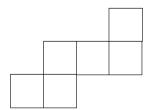
Here are three views of the cube:





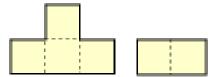


Can you deduce where the faces are in relation to each other and record them on the net of this cube?

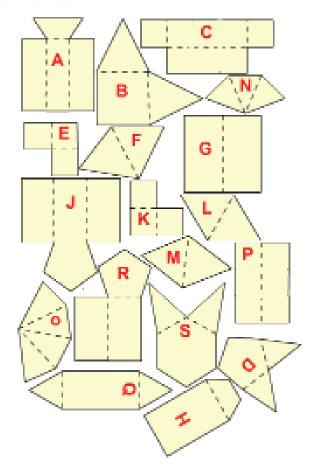


3D Shape Challenges

The net of a cube has been cut into two. It could be put together in several ways so that it could be folded into a cube.



Here are the nets of ${\bf 9}$ solid shapes. Each one of these has been cut into ${\bf 2}$ pieces, like the net of the cube.



Can you see which pieces go together?