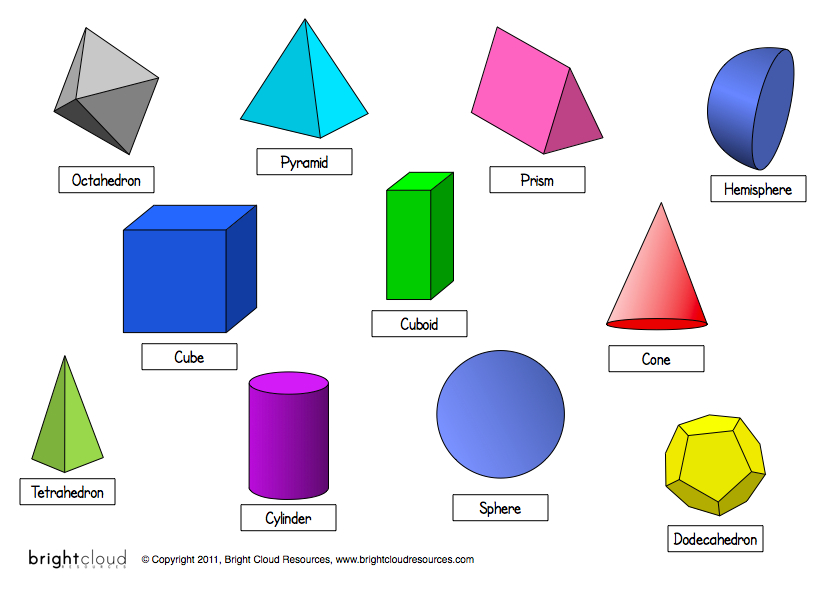
LC: Can I find the net of a 3D shapes by using the properties?

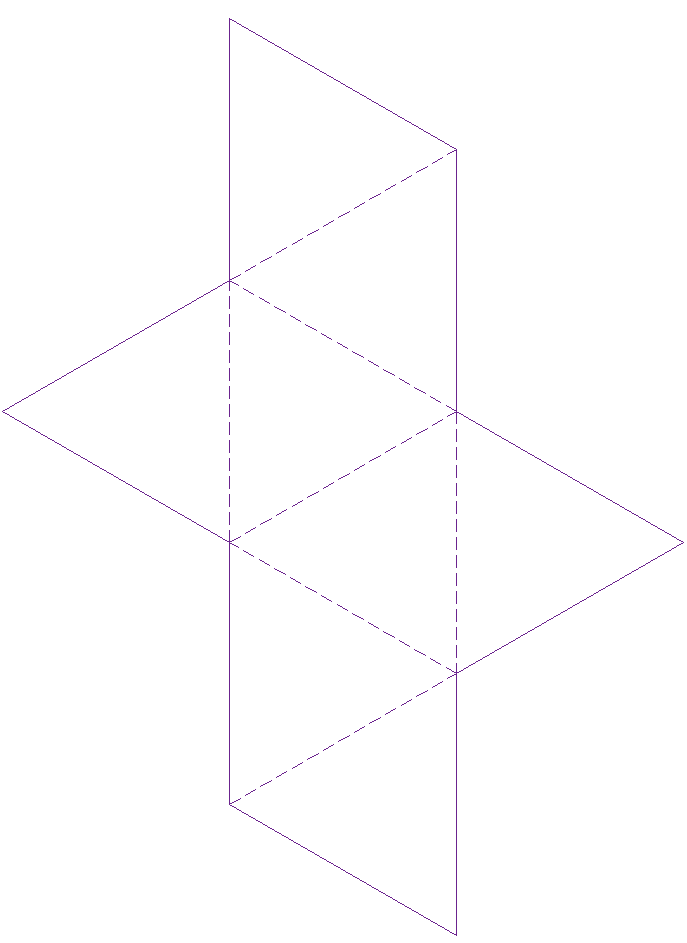
[](http://www.google.co.uk/url?sa=i&rct=j&q=&source=images&cd=&cad=rja&docid=5gkWpZ_4BTlrbM&tbnid=dDTLvLY092T_2M:&ved=0CAUQjRw&url=http://www.brightcloudresources.com/resources/maths/ks1---shapes/small-3d-shapes/&ei=cvjJUYedFMyp0AWzwoCICw&bvm=bv.48293060,d.ZG4&psig=AFQjCNHQxDlntIb1qHcFO_CnfqWbqEdIKg&ust=1372277218115672)

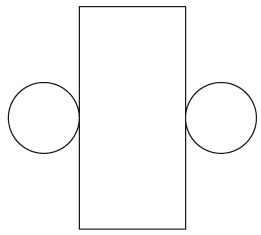
In the table below, describe the faces of each shape:

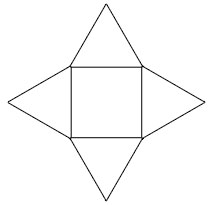
|  |  |  |
| --- | --- | --- |
| Shape name | The shape of its faces | The number of faces |
| Octahedron | Triangular (equilateral) | 8 |
| Pyramid (Square based) |  |  |
| Triangular prism |  |  |
| Cylinder |  |  |
| Cuboid |  |  |
| Cube |  |  |
| Cone |  |  |
| Tetrahedron (Triangular based pyramid) |  |  |

[](http://www.google.co.uk/url?sa=i&rct=j&q=pencil&source=images&cd=&cad=rja&docid=Lk2w6vsG1auxCM&tbnid=emraF_84qtf0kM:&ved=0CAUQjRw&url=http://familyofchristconversations.wordpress.com/2012/09/13/short-and-to-the-point/&ei=N_vJUcPDLMGX1AXIu4CwBg&psig=AFQjCNHv2rbnqb09ewoLmcb5km1UaUiohQ&ust=1372277876368118)Now, using this information can you link the 3D shape with its net?

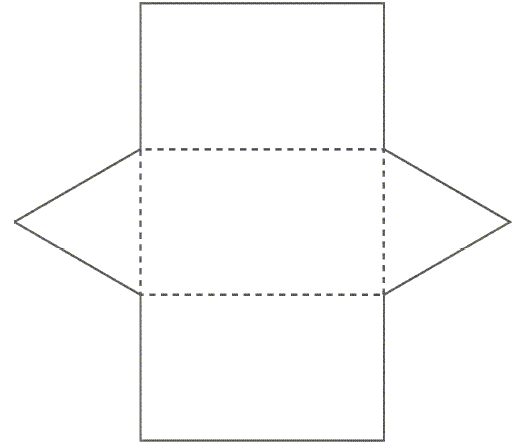
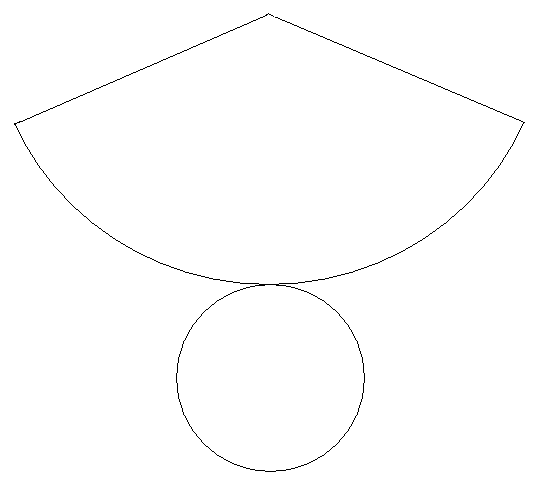
e.g

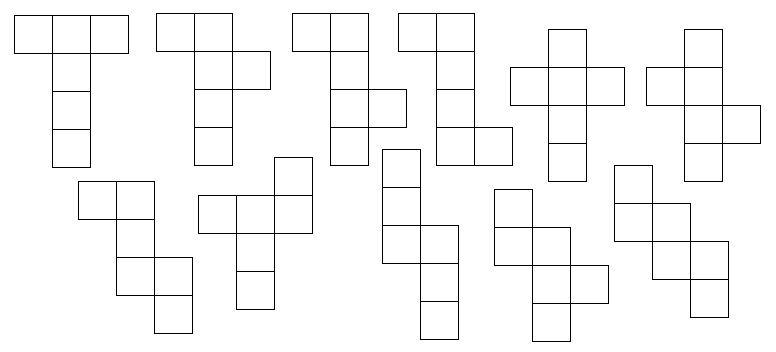
[](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+an+octahedron&source=images&cd=&cad=rja&docid=bFhxaE4WiTTbEM&tbnid=oS8jAoGH8Y3zJM:&ved=0CAUQjRw&url=http://www.mathsisfun.com/octahedron.html&ei=mPzJUdneIoaq0QWNnYDoCg&psig=AFQjCNHCo6Qk1W9FWkeIrzr3ZUIeNaEKdw&ust=1372278291970655)The 8 faces that make up an octahedron are all equilateral triangles, so this must be the net of an octahedron.

1.[](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+a+cylinder&source=images&cd=&cad=rja&docid=iFFiNk9Y7MpI9M&tbnid=ky3NaDrYOyFevM:&ved=0CAUQjRw&url=http://spmath81609.blogspot.com/2010/03/alexs-surface-area-growing-post.html&ei=Vf7JUf3nD8SV0AXPg4CYBw&psig=AFQjCNHDA0zWO-qZR_3GjOVdsKlLBDcmRw&ust=1372278734005303) 2. [](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+an+tetrahedron&source=images&cd=&cad=rja&docid=YfMYdaMtkfZKXM&tbnid=4XPgDVHe4dGwcM:&ved=0CAUQjRw&url=http://mrogden.weebly.com/nets.html&ei=3v3JUcSrCrON0wWY3IGABg&psig=AFQjCNHaT0Y4wCIFOycf-xF_VFq90jT_aw&ust=1372278520676501)

[](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+an+square+based+pyramid&source=images&cd=&cad=rja&docid=V9rjWZjeOy8WcM&tbnid=FISvInshKpfrEM:&ved=0CAUQjRw&url=http://mathcentral.uregina.ca/QQ/database/QQ.09.08/j/miss1.html&ei=ZPzJUfXODuSx0QWw-YDYCA&psig=AFQjCNH5cBPZLrHnjZQEwA2Vz04vBky8AQ&ust=1372278222869097) [](http://www.google.co.uk/imgres?q=net+of+a+triangular+prism&start=192&hl=en&biw=1188&bih=585&tbm=isch&tbnid=ZRKBxQwUU5O6UM:&imgrefurl=http://www.icteachers.co.uk/children/sats/3d_nets.htm&docid=FE2zi-rhHtpS_M&imgurl=http://www.icteachers.co.uk/children/sats/images/3d_prism_net.gif&w=336&h=275&ei=_wDKUc-WLNS7hAfti4G4AQ&zoom=1&ved=1t:3588,r:94,s:100,i:286&iact=rc&page=12&tbnh=193&tbnw=248&ndsp=16&tx=153.478271484375&ty=116.13046264648437)

3. 4.

5.[](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+triangular+prism&source=images&cd=&cad=rja&docid=bPyQMNUMl-2_LM&tbnid=QAcV9xDwHfhZ-M:&ved=0CAUQjRw&url=http://www.superteachertools.com/jeopardy/answerkey.php?game=1299109788&ei=BQLKUfTqJ-PM0QXO3ICwDQ&bvm=bv.48293060,d.ZG4&psig=AFQjCNGaKu-XyhNF5_xPohA_ElqkMEWr_w&ust=1372279677117628) 6.[](http://www.google.co.uk/url?sa=i&rct=j&q=net+of+a+cone&source=images&cd=&cad=rja&docid=vdVqhX5IXPf07M&tbnid=b4fwZxHF8LZ_kM:&ved=0CAUQjRw&url=http://www.ilemaths.net/forum-sujet-198188.html&ei=RALKUYn4KujC0QW9_4HIDQ&bvm=bv.48293060,d.ZG4&psig=AFQjCNH3Oz-hDHOUpHUDotuon8_fUHnO1g&ust=1372279736775656)

7. [](http://www.google.co.uk/url?sa=i&rct=j&q=&source=images&cd=&cad=rja&docid=jNrLzAFJWyUceM&tbnid=kR3aGbkSmkVpUM:&ved=0CAUQjRw&url=http://www.onlinemathlearning.com/geometry-nets.html&ei=lADKUcnIIuS40QWFw4GADQ&bvm=bv.48293060,d.ZG4&psig=AFQjCNFwTuLl3mI9xCsNMteY0x_MKsMF8g&ust=1372279283459300)