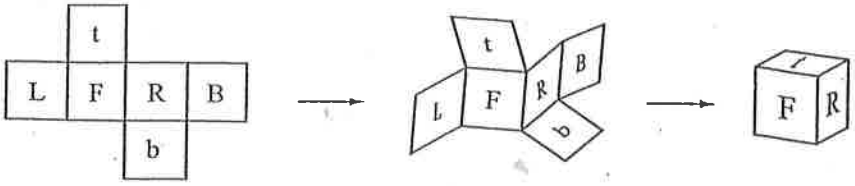
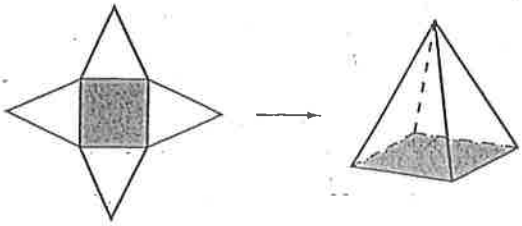
3D Nets

Name: _____

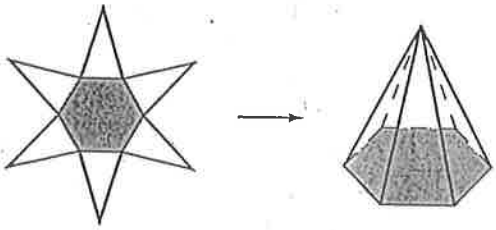
A net is a two dimensional figure that can be folded on its edges into a three dimensional figure.



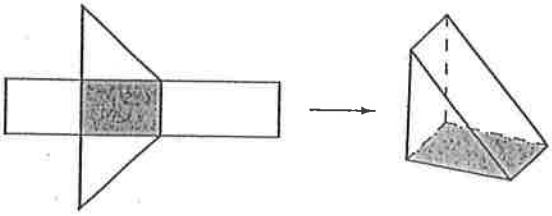
Cube



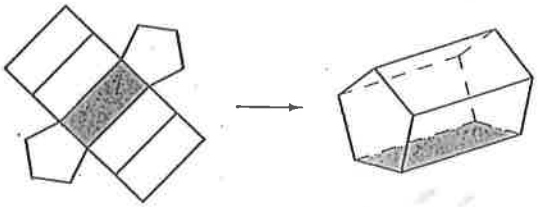
Square base pyramid



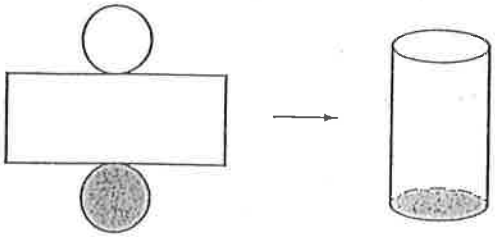
Hexagonal based pyramid



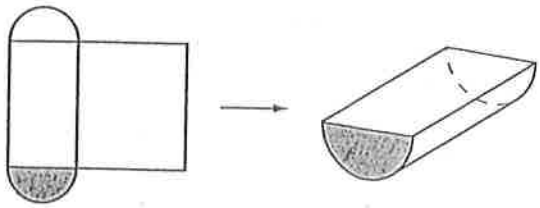
Triangular base prism



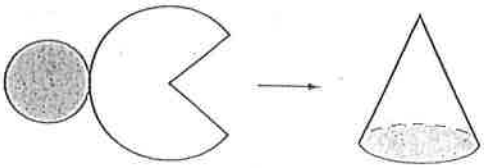
Pentagonal base prism



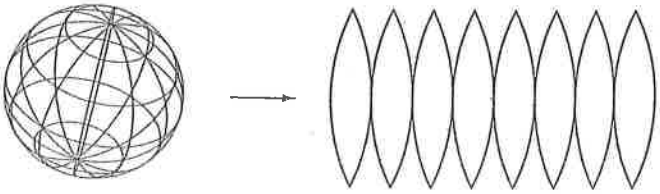
Cylinder



Semi-Cylinder



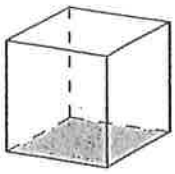
Cone



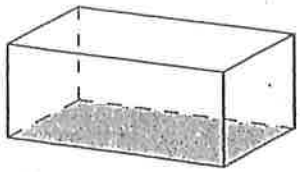
Sphere

1. Draw a net for the three dimensional figure.

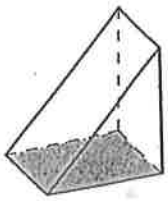
a)



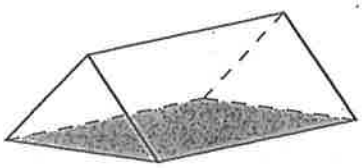
b)



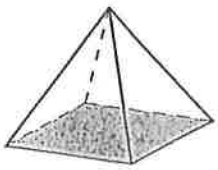
c)



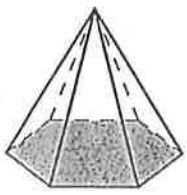
d)



e)

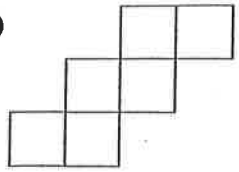


f)

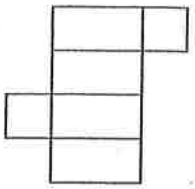


2. Draw the three dimensional figure for the net.

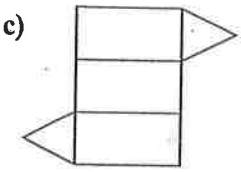
a)



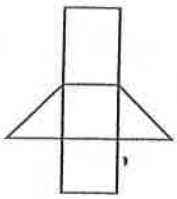
b)



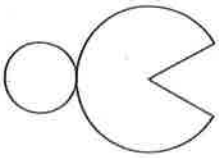
c)



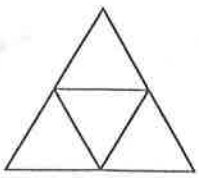
d)



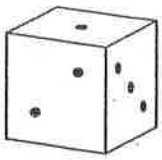
e)



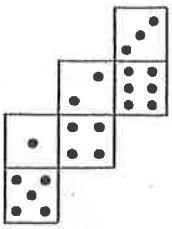
f)



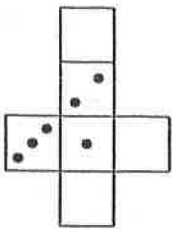
3. A die is a cube such that the top and bottom of the die must add up to seven. Complete the missing numbers.



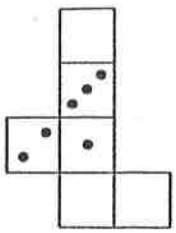
Example



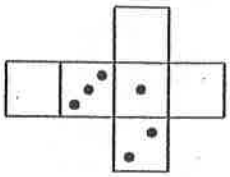
a)



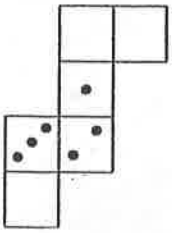
b)



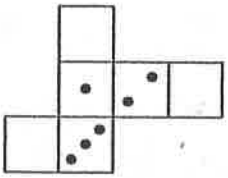
c)



d)



e)



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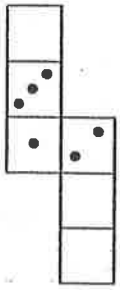
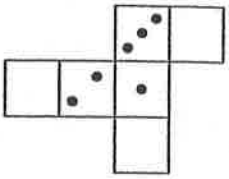
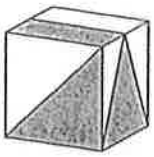


g)

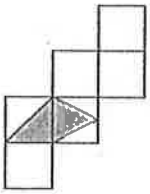


4. When unfolded, which figure represents the cube on the left? (Circle the answer)

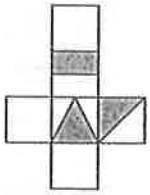
a)



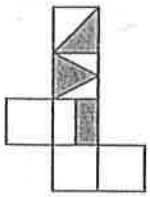
i)



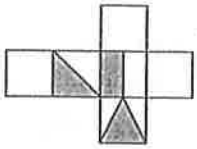
ii)



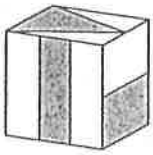
iii)



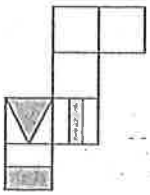
iv)



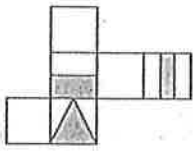
b)



i)



ii)



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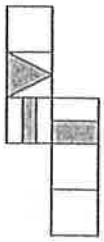
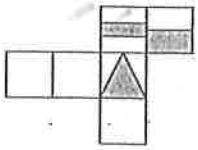
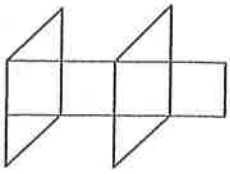


iv)

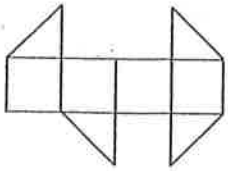


5. Which nets can be folded to form a cube? (Circle your answer)

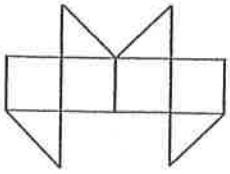
a)



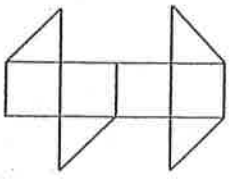
b)



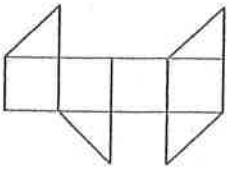
c)



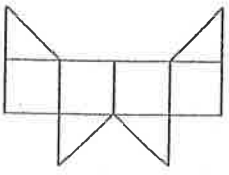
d)



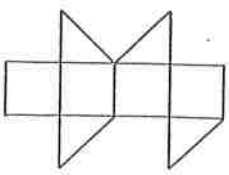
e)



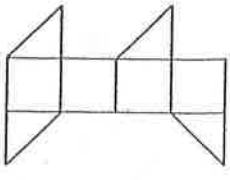
f)



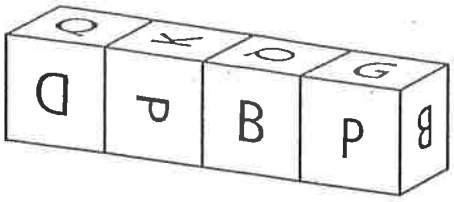
g)

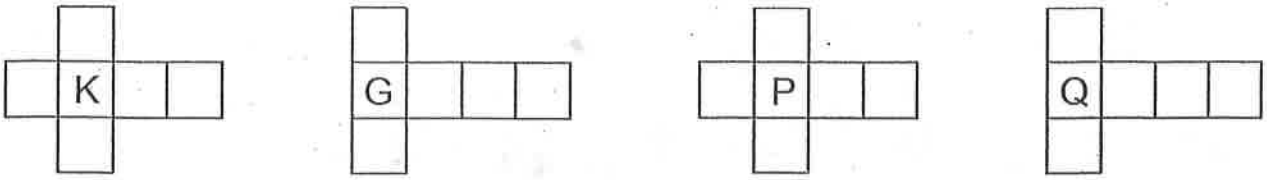


h)

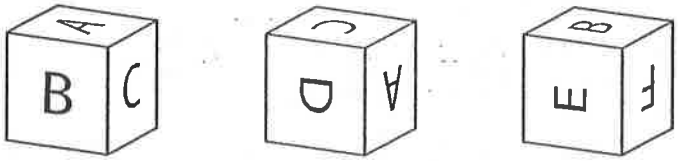


6. Given four identical cubes, complete the lettering of the unfolded cubes.





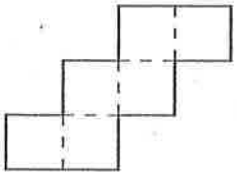
7. What sides are opposite each other in these identical cubes?



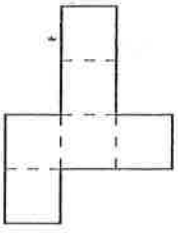
A ____ , B ____ , C ____

8. Which figure cannot be folded along the dotted lines to form a cube?

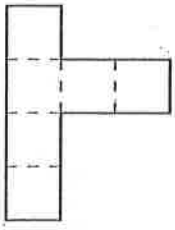
i)



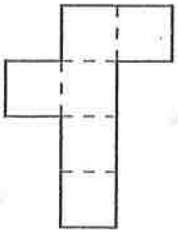
ii)



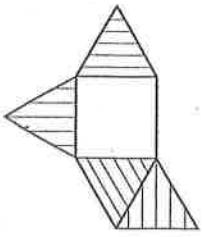
iii)



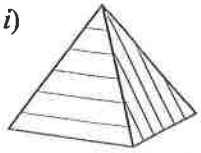
iv)



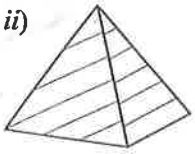
9. Which pyramid cannot be the net?



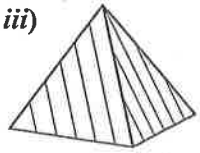
i)



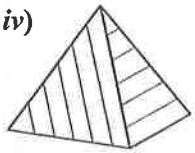
ii)



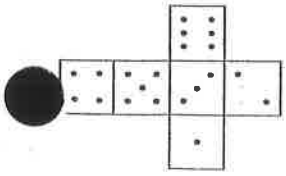
iii)



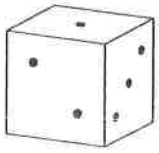
iv)



10. Which cube cannot be made from the net?



i)



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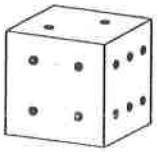
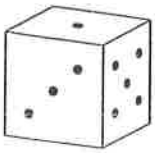


iii)



iv)