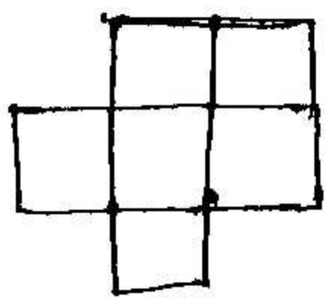
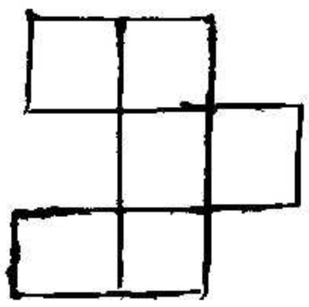
Exercise 19.2

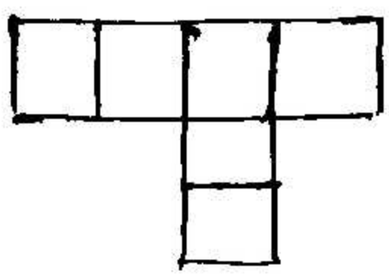
Q.1 Which among the following are nets for a cube ?



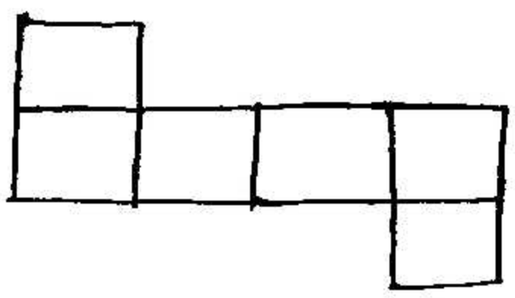
(i)



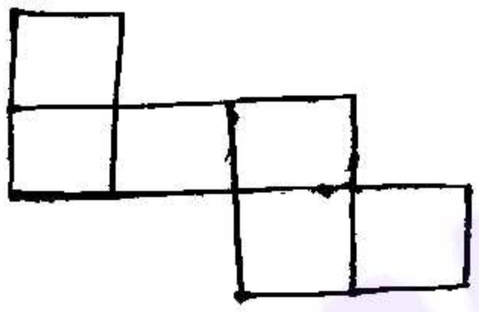
(ii)



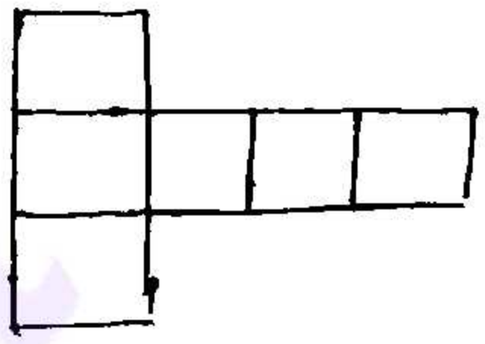
(iii)



(iv)



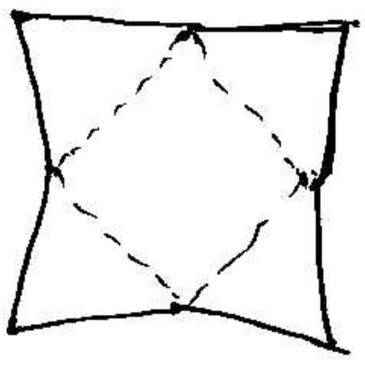
(v)



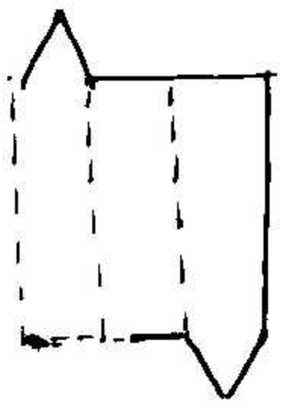
(vi)

Solution : Figure (iv), (v) and (vi) are nets of cube

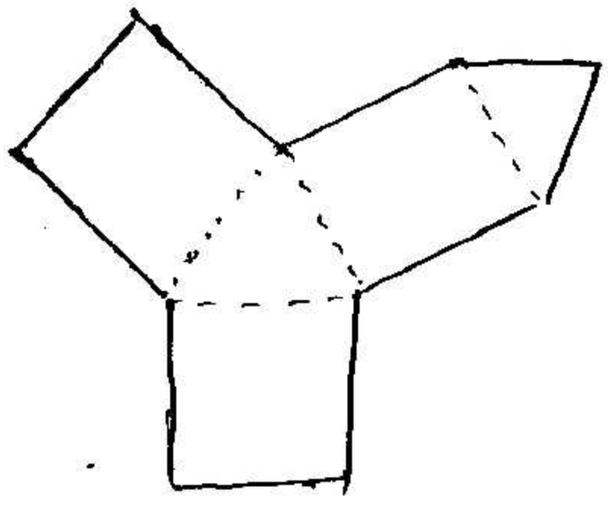
Q.2 Name the polyhedron that can be made by folding each net



(i)

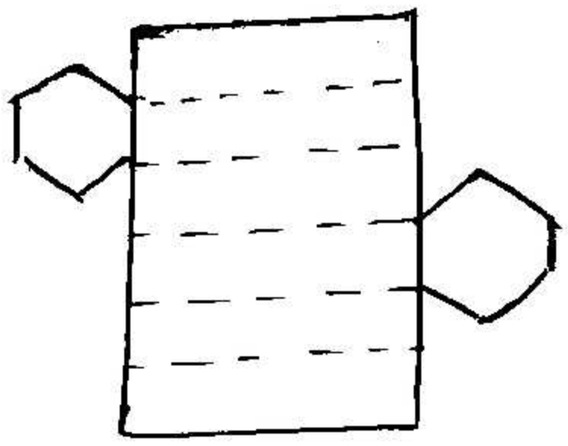


(ii)

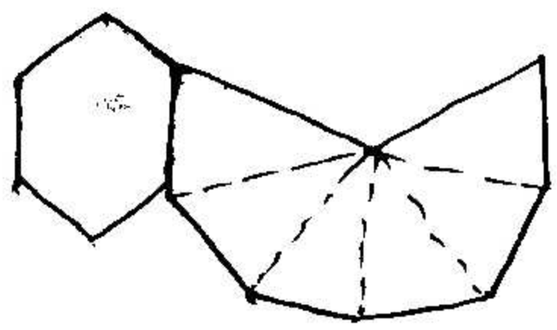


(iii)

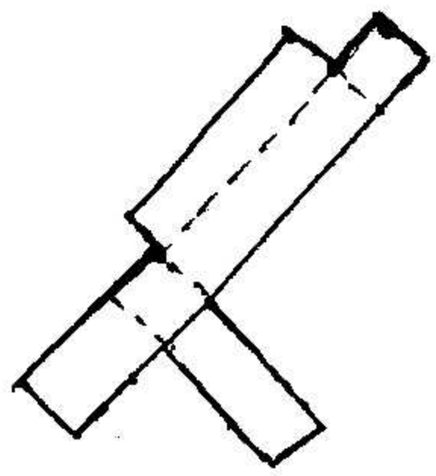
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(iv)



(v)



Solution: (i) Square pyramid

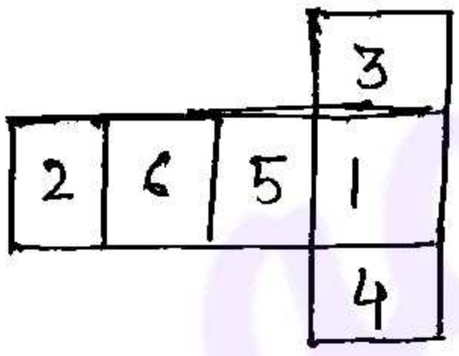
(ii) Triangular prism (iii) Triangular prism

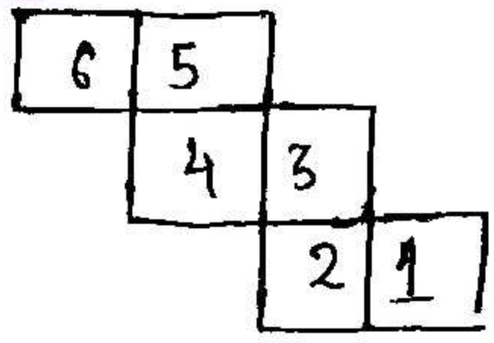
(iv) Hexagonal prism (v) Hexagonal pyramid

(vi) Cuboid

Q.3 Dice are cubes where the numbers on the opposite faces must total 7. Which of the following are dice?

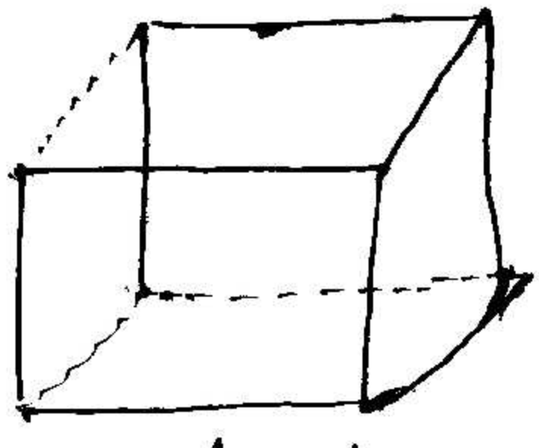
(i)



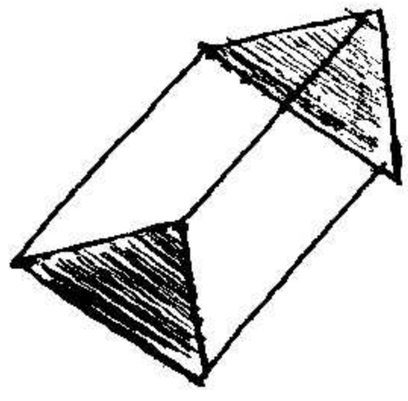


Solution: Figure (i), is a dice, Since the sum of numbers on opposite faces is 7 (3+4=7 and 6+1=7)

Q.4 Draw nets for each of the following polyhedron



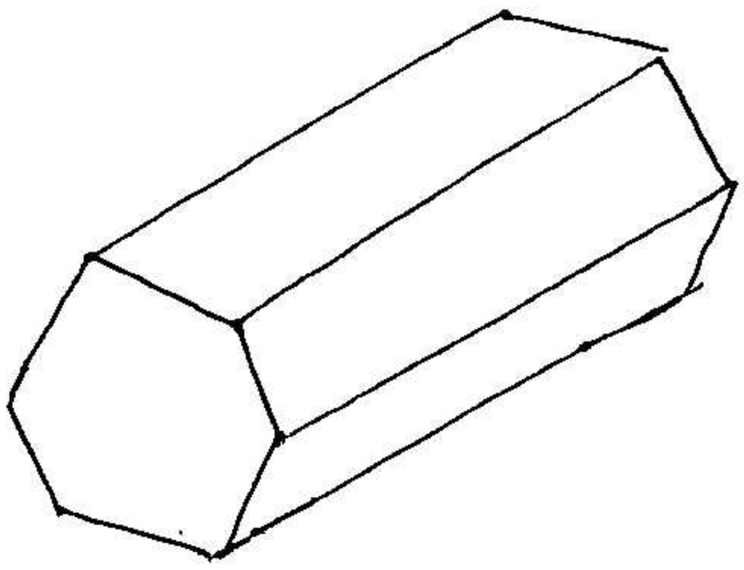
A Cube



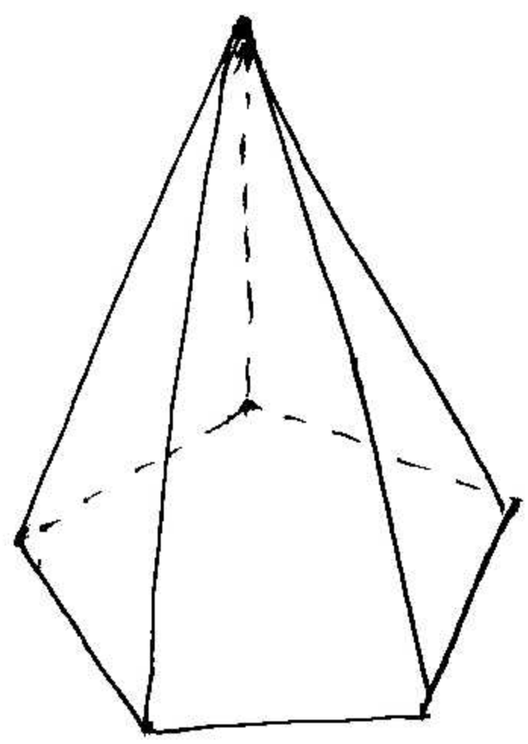
A Triangular prism.

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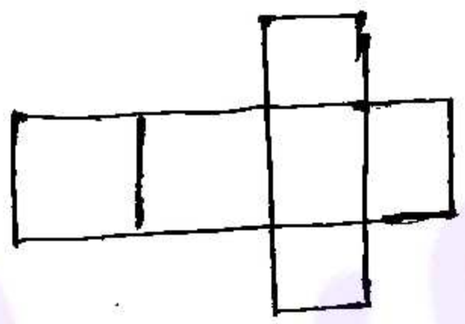


A hexagonal prism

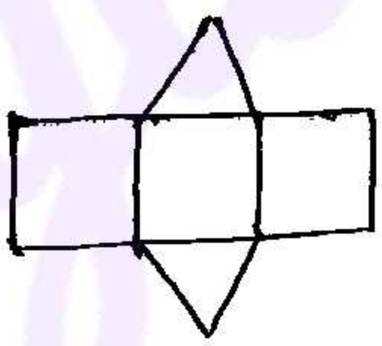


A pentagonal pyramid

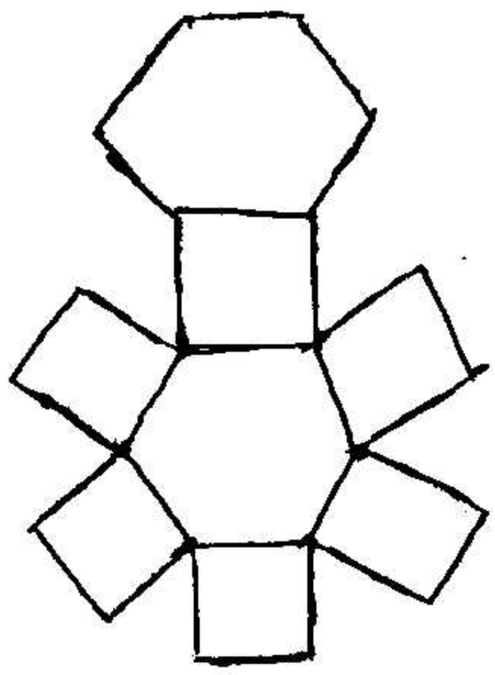
Solution (i) The net pattern for cube is -



(ii) The pattern for triangular prism is —



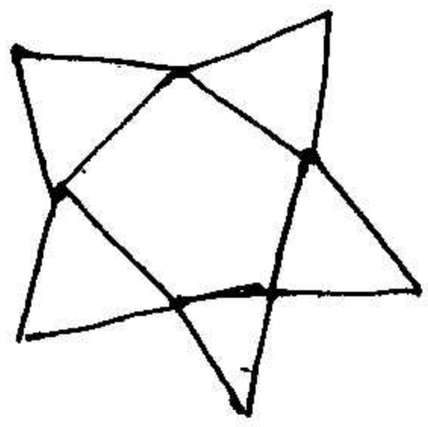
(iii) The net patten for hexagonal prism is —



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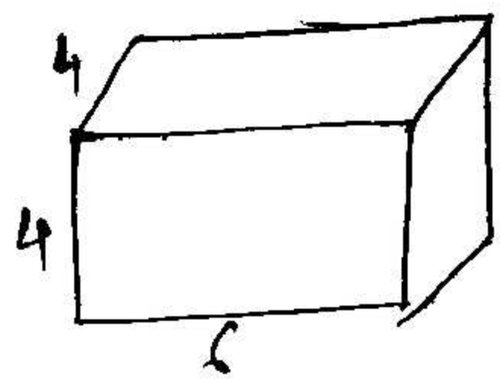
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(iv) The net pattern for pentagonal pyramid is-

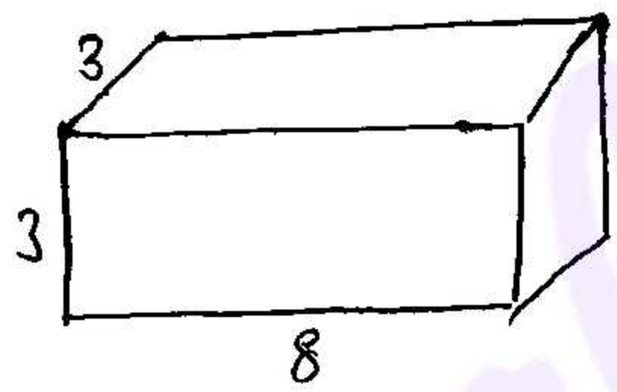


Q.5 : Match the following figures :

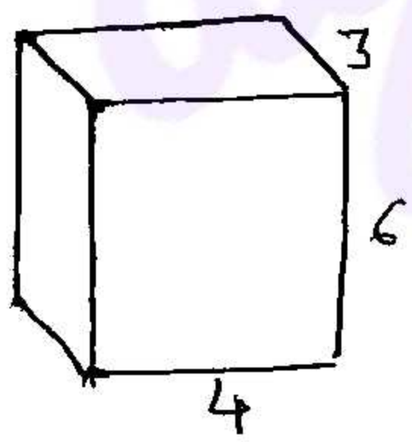
(a)



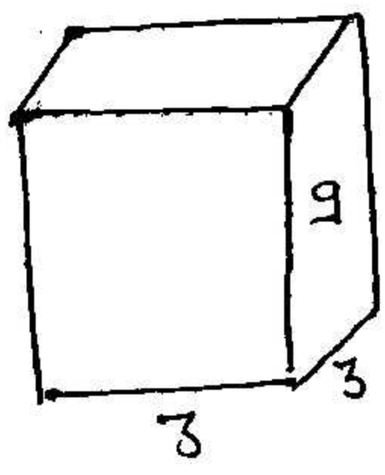
(b)



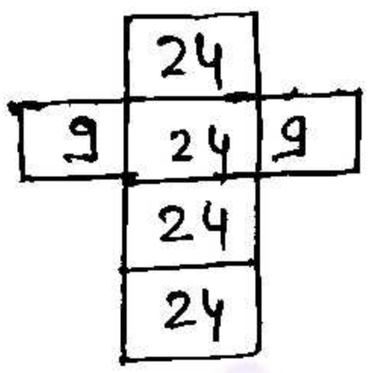
(c)



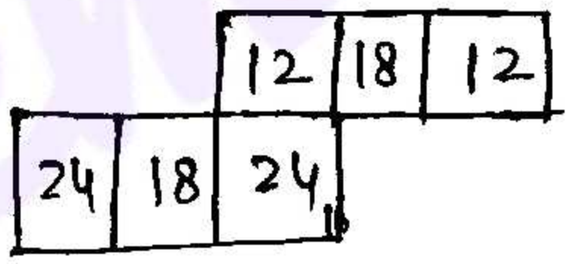
(d)



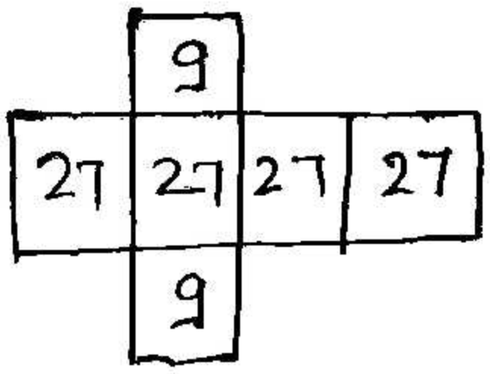
(i)



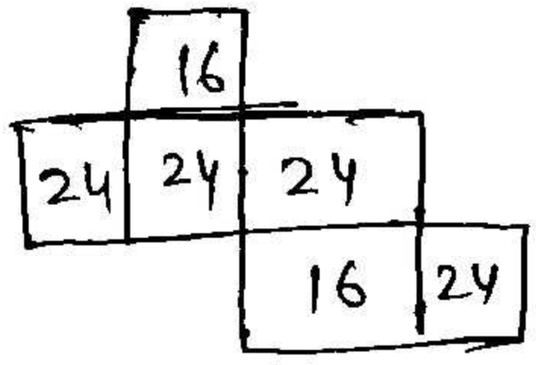
(ii)



(iii)



(iv)



Sol: (a) → (iv) , (b) → (i) , (c) → (ii), (d) → (iii)

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