Colegio Nourish

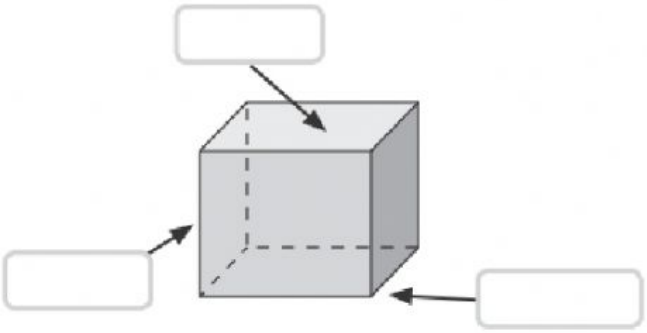
2021-2022 | 6th Grade

May Exam | Mathematics

Name: _____ List # _____

Date: _____ Teacher: Débora Lozano

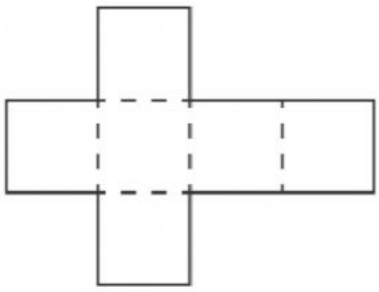
I. Write the parts of the next polyhedron. (face, edge and vertex) 1-3



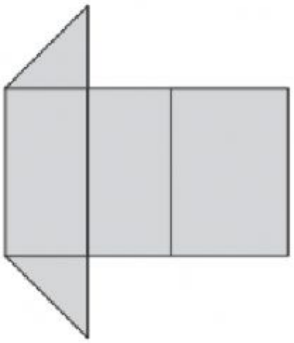
II. Answer the next questions with these nets.

4. How many square faces are shown in the net of the cube at the right?

_____



Identify the polyhedron from its net.



5. How many faces does the polyhedron have?

_____

6. How many bases does the polyhedron have?

_____

7. What is the polygon shape of the base(s)?

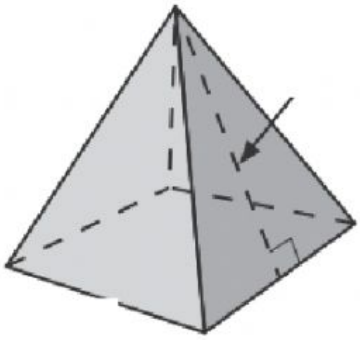
_____

8. What is the polygon shape of the other faces?

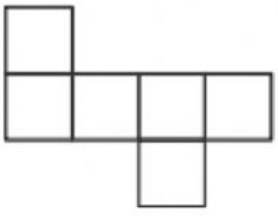
_____

9. This is a net of a _____.

10. Use the grid to draw a net for the square pyramid.

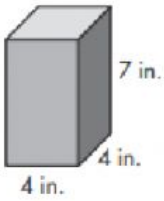


11. Identify the polyhedron name from its net.



_____

III. Complete the next information with the next figure.



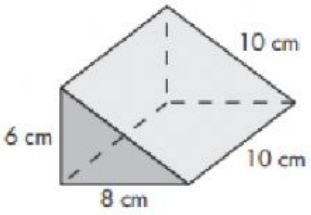
12. The net has two identical_____ bases.

13. The net has four identical_____ faces.

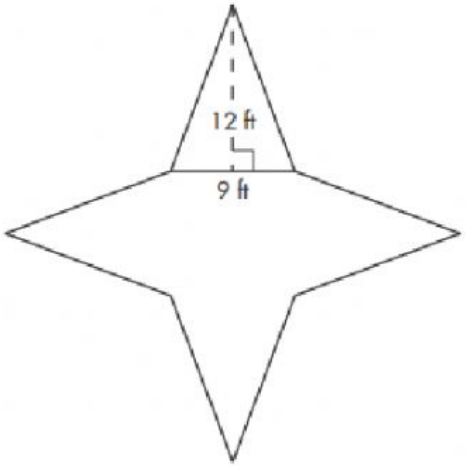
14. Find the surface area of the prism by adding the areas of the bases and the faces of the prism. _____

15. Find the surface area of the triangular prism.

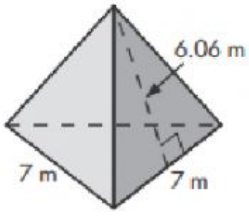
_____

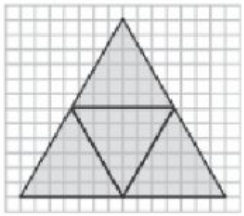


16. Find the area of each face of the net. _____



17. Find the surface area of the pyramid with an equilateral triangle as a base. _____





IV. Identify the correct formula to find area or surface area from each figure.

Triangle, square, rectangle, trapezoid, cube.

18. $\frac{(B+b)h}{2}$ _____

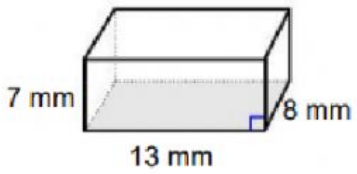
19. $6s^2$ _____

20. $\frac{b \times h}{2}$ _____

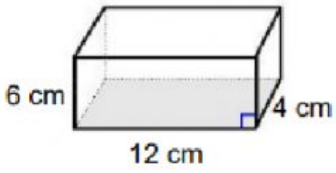
21. s^2 _____

22. $l \times w$ _____

V. Find the surface area for each rectangular prism.

23. 

_____

24. 

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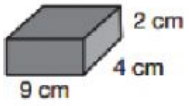
VI. Underline the correct answer. (find the area of the figure on the top for each figure)

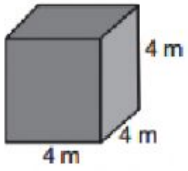


25.

a) $36cm^3$ b) $8cm^2$ c) $36cm^2$

26.

a) 15 cu in. b) 18 cu in. c) 30 cu in.



27.

a) 16 cm 3 b) 16 cm 2 c) 8 cm 3

VII. Circle the correct answer to identify Which net it is? 28- 30