



Warm Up Grade 8
Oct. 11, 2016



1. Mike and his three friends together owe \$12. They agree to share the debt equally.

4 people share \$12

What is each person's share of the debt?

$$12 \div 4 = \$3$$

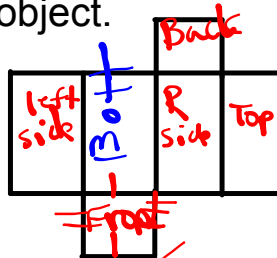
2. Use box method.

a) $18 \times 27 = 486$

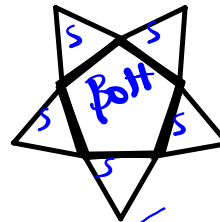
	10	8
20	10 x 20 200	20 x 8 160
7	7 x 10 70	7 x 8 56

$$\begin{array}{r} 200 \\ 160 \\ 70 \\ + 56 \\ \hline 486 \end{array}$$

3) Which of the following will be a net for a 3D object.



✓ Rectangular Prism



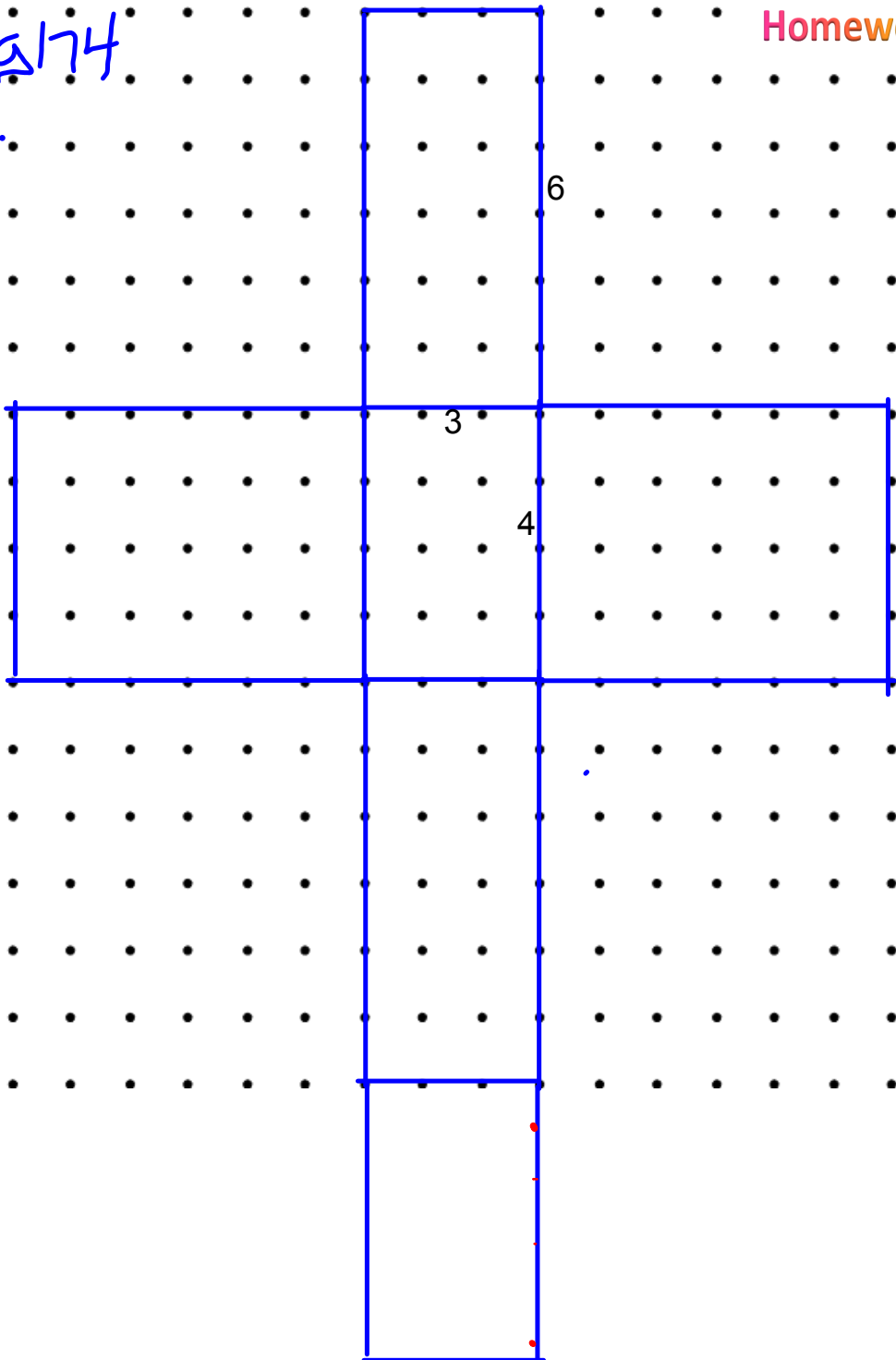
✓ Pentagonal Pyramid



- No front
- Overlap of Backs
- Not A net

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4.

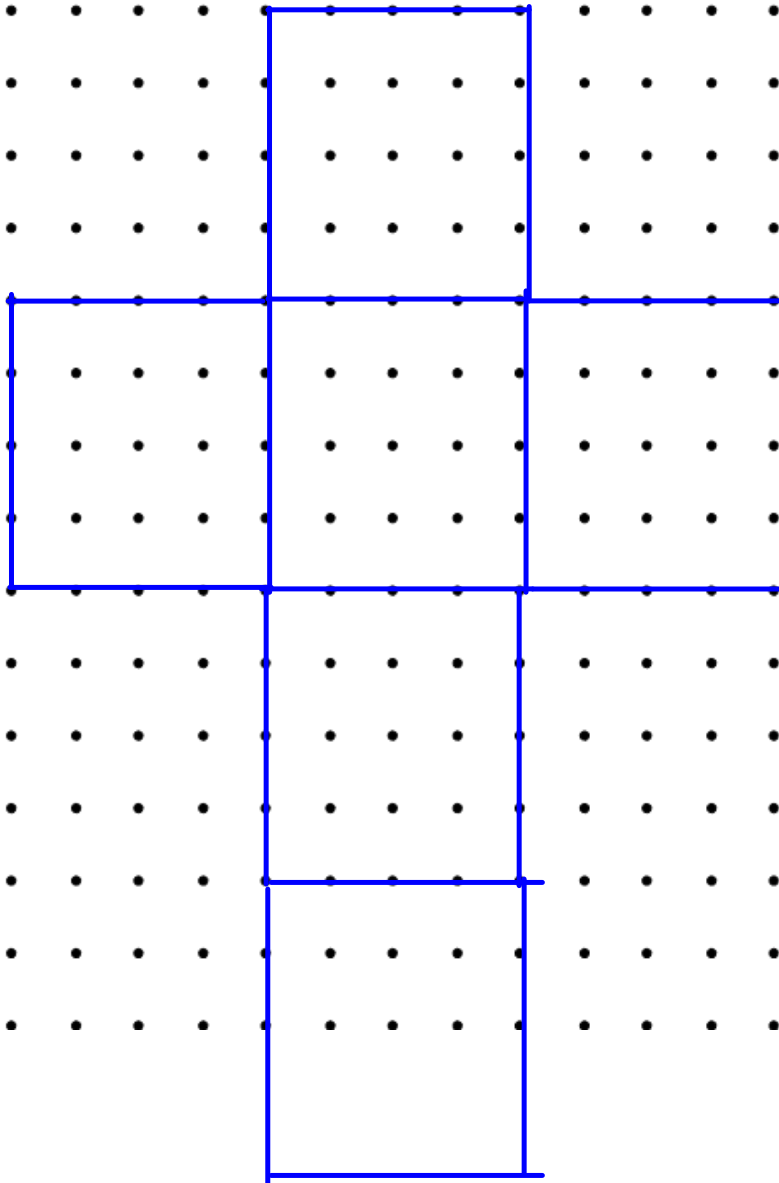
Homework Solutions



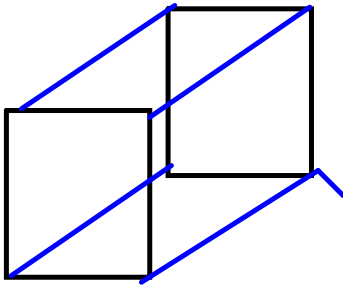
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Homework Solutions

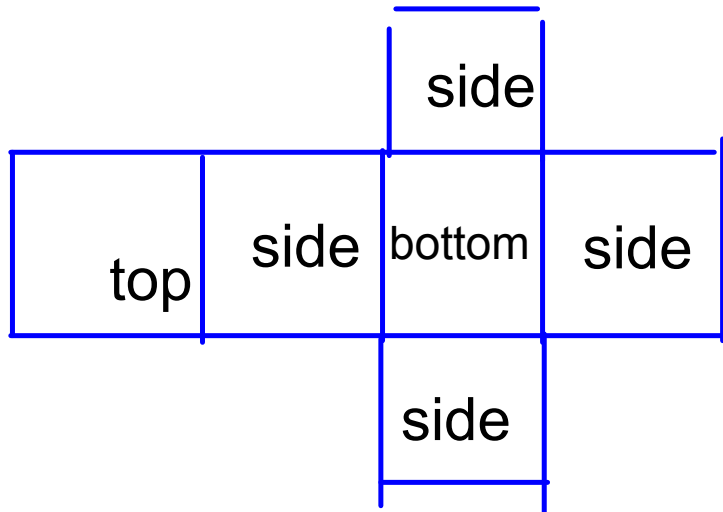
5.



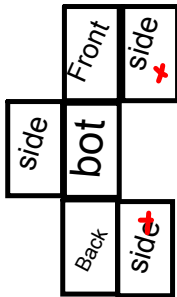
b.



The correct net is (a)



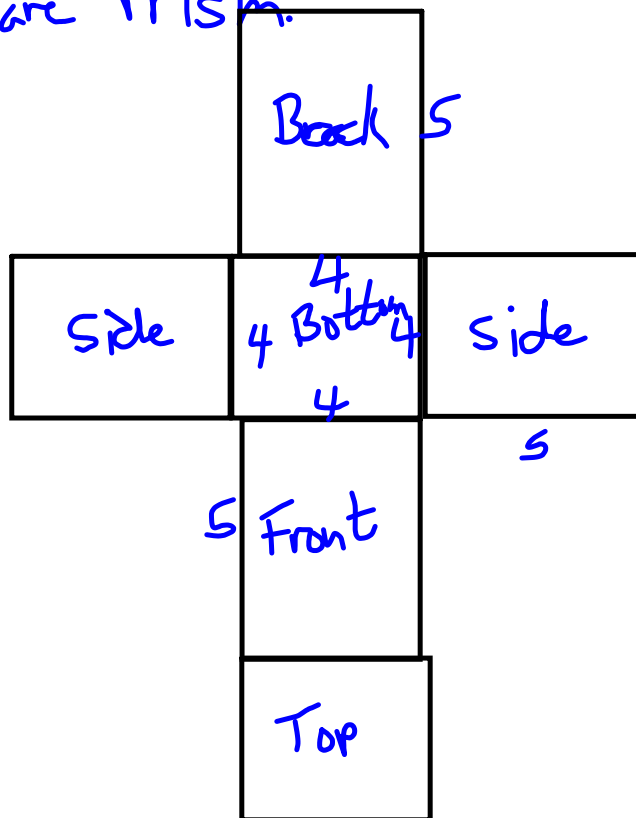
b)



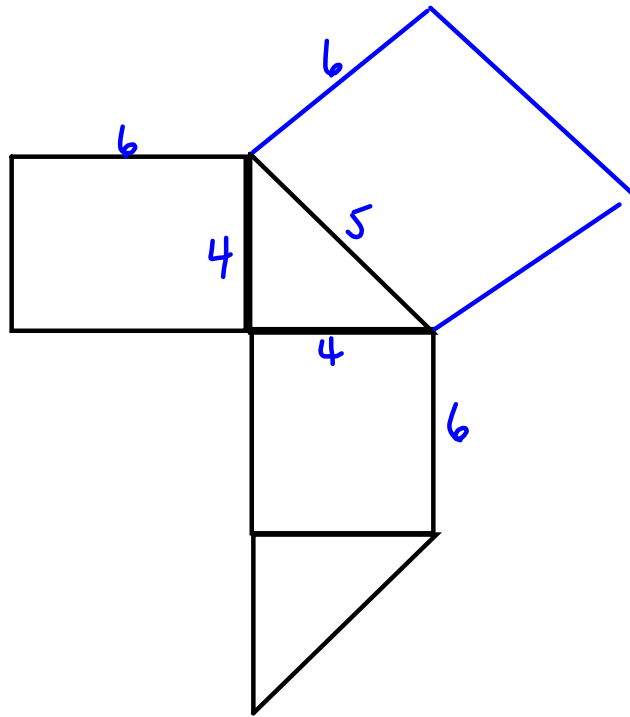
no top and overlap of sides

(b) cannot be correct since it has rectangular faces and 1 pair of cc faces. Also if you fold (b) the face and one ends remains open

7. Square Prism.



8.

9. A \rightarrow F

Hexagonal Prism

Faces \rightarrow 2 hexagons
6 rectanglesB \rightarrow D

Pentagonal Pyramid

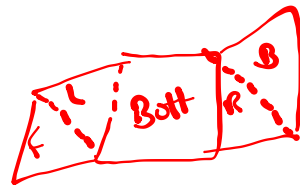
Faces \rightarrow 1 pentagon
5 trianglesC \rightarrow E

Pentagonal Prism

Faces \rightarrow 2 pentagons
5 rectangles.

10. Square Pyramid

Nets A, B, C



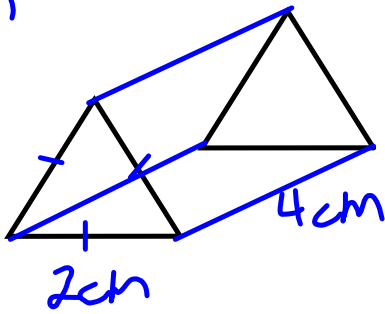
11. Dodecagon

- a regular dodecagon is a polygon with 12 equal sides and 12 equal angles.

Net - for a dodecagonal pyramid has 12 triangles and a dodecagon

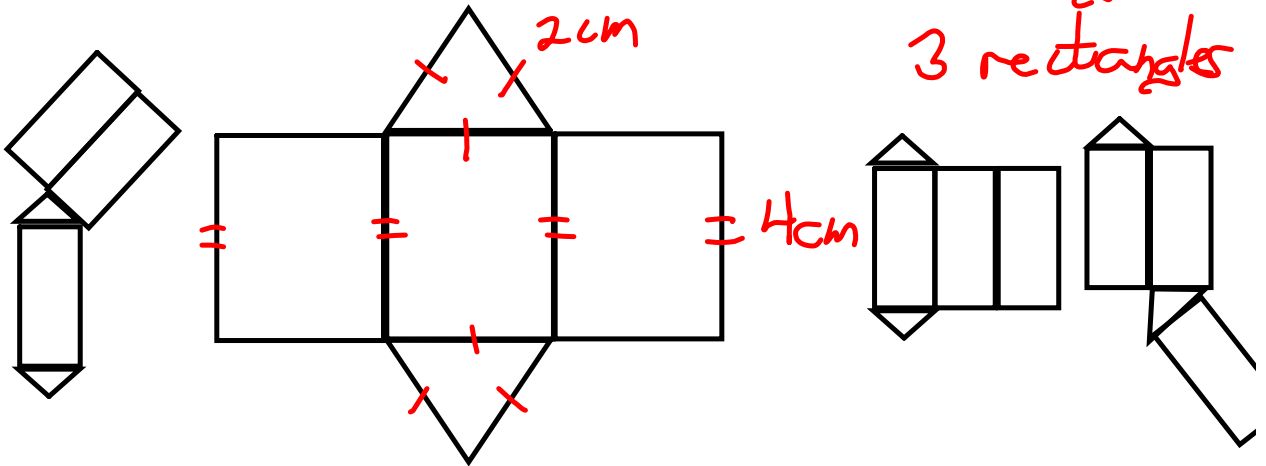
Net C is correct

12a)

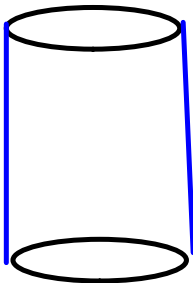


Triangular Prism

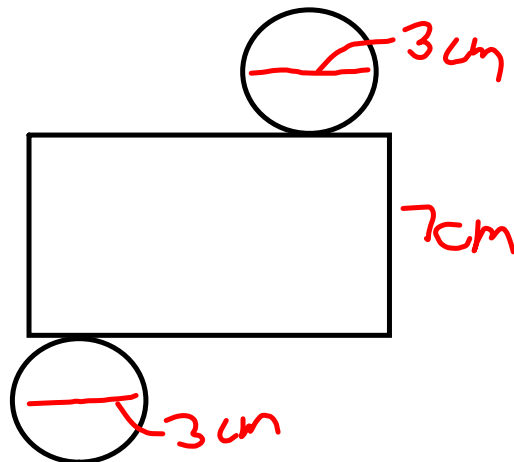
Faces - 2 equil. triangles
3 rectangles



b)

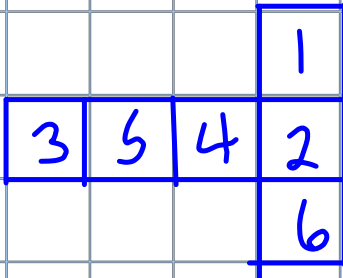


Cylinder
Faces - 2 circles
1 rectangle



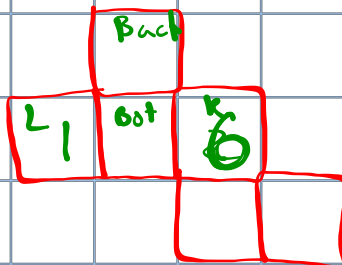
13.

i)



Opposite pairs
add to 7

1-6, 2-5, 3-4



14.

a) 4 equilateral triangle and one square base
Square Pyramid

b) two congruent squares and four congruent rectangle
Square prism

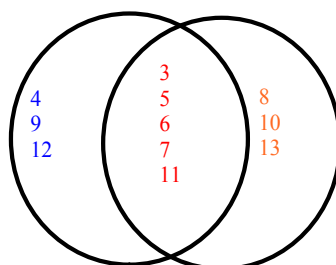
c) one rectangle, two pairs of congruent triangles
Rectangular Pyramid

d) five congruent triangles and one regular pentagon
Pentagonal Pyramid

e) four congruent equilateral triangle
Triangular Pyramid - Tetrahedron

15. Wrapping Paper

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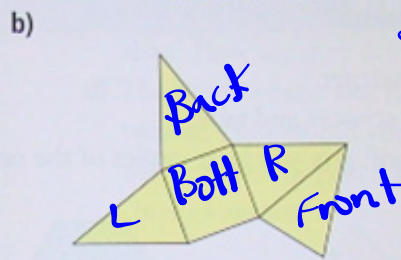


10 without making

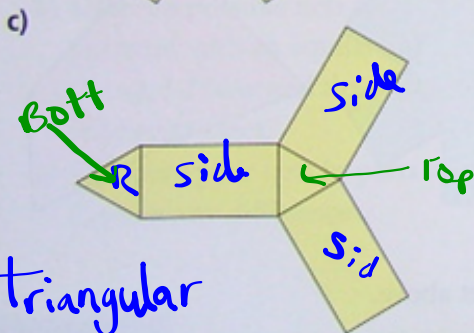
Look at the diagrams below.
Is each diagram the net of an object?
If your answer is yes, name and describe the object.
If your answer is no, what changes could you make so it could be a net?



pentagonal prism
→ 2 pentagons
5 rectangles

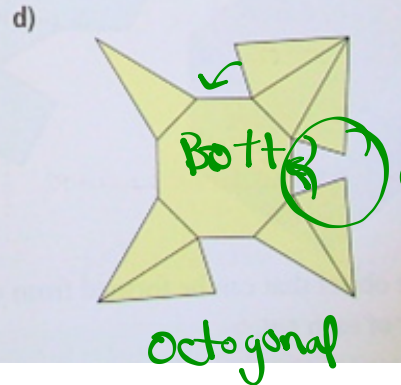


Square Pyramide
→ 1 square
→ 4 triangles



triangular prism

→ 2 triangles
3 rectangles



overlap
Not a Net

octagonal

Class/Homework

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