



Warm Up Grade 8

Oct. 2



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

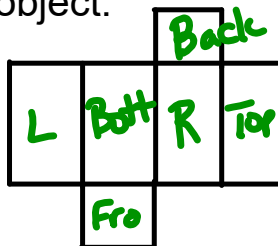
$$12 \div 5 = 2.40$$

What is each person's share of the debt?

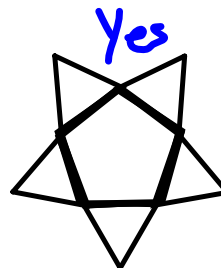
2. Use mental math.

$$a) \frac{2 \times 30}{5} = \frac{60}{5} = 12$$

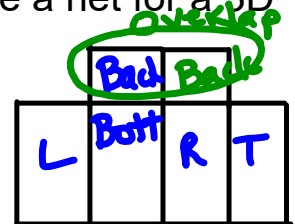
3) Which of the following will be a net for a 3D object.



Yes
Rectangular
Prism



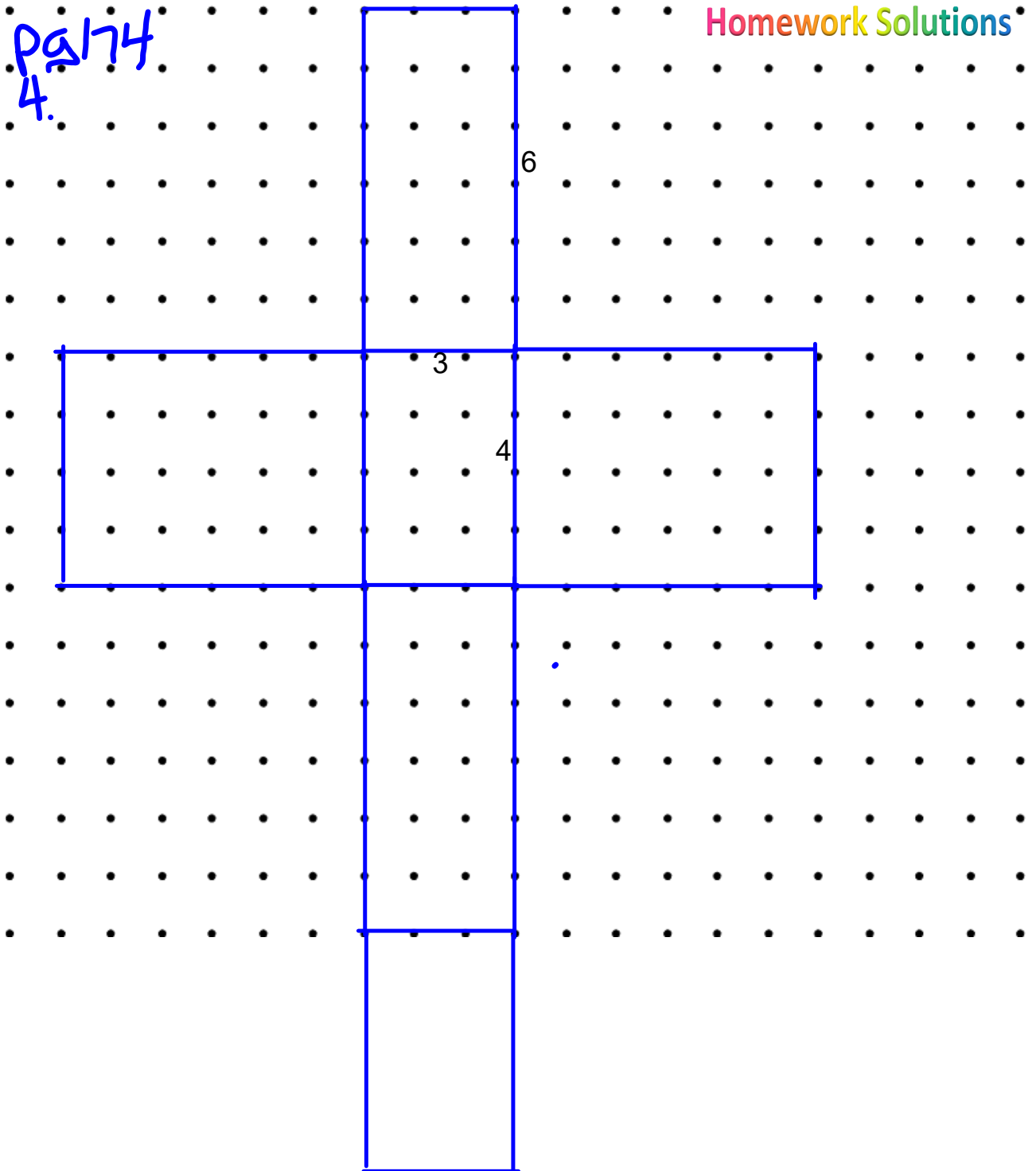
Yes
pentagonal
pyramid

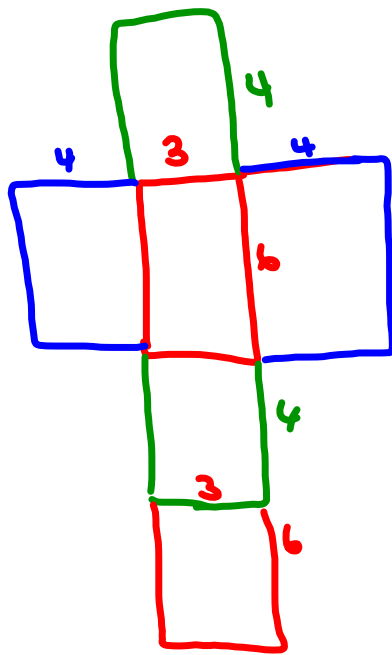


No front
SO
Not
A
net

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4.

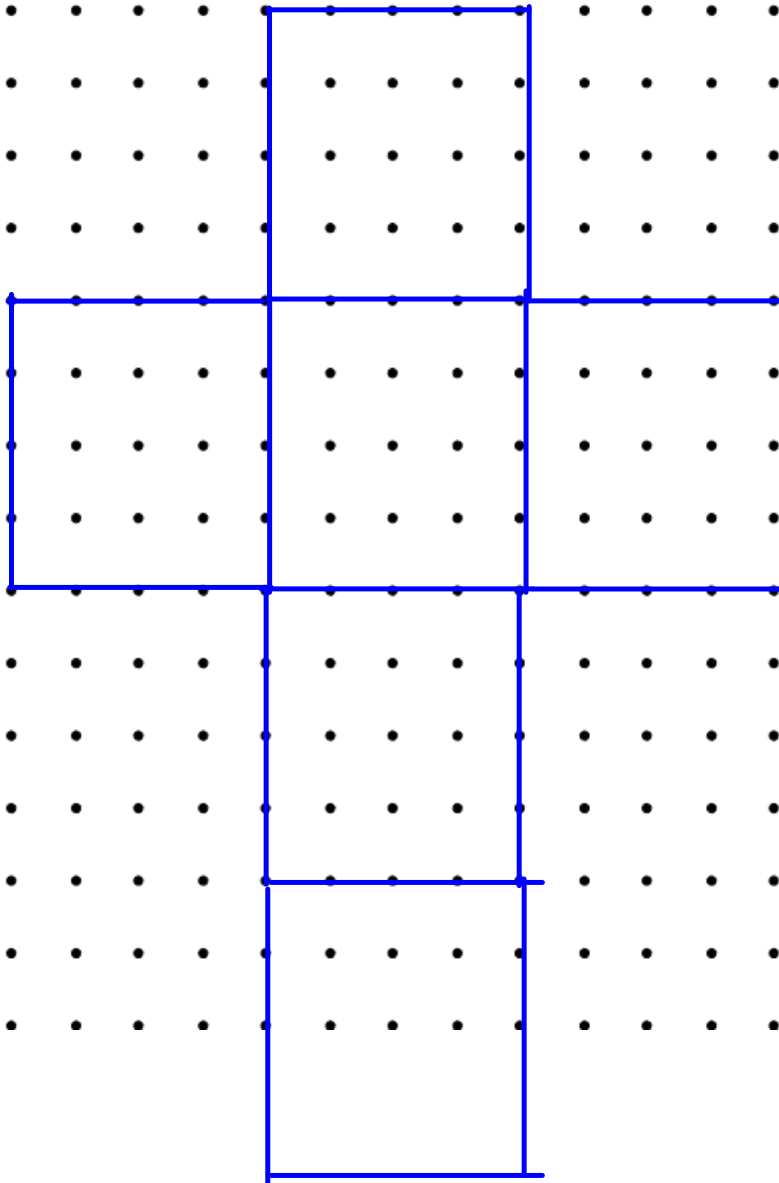
Homework Solutions

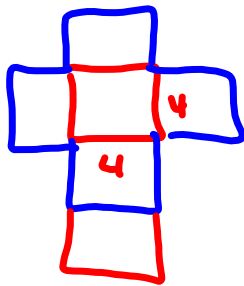




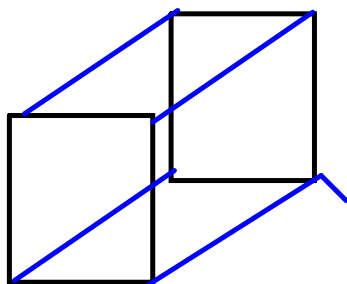
Homework Solutions

5.

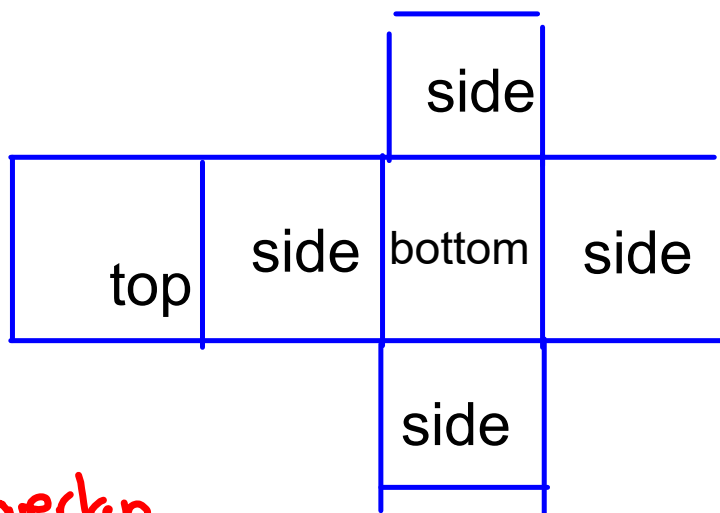




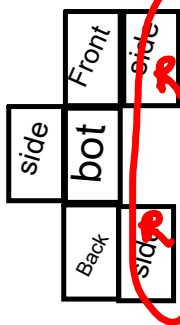
b.



The correct net is (a)



b)

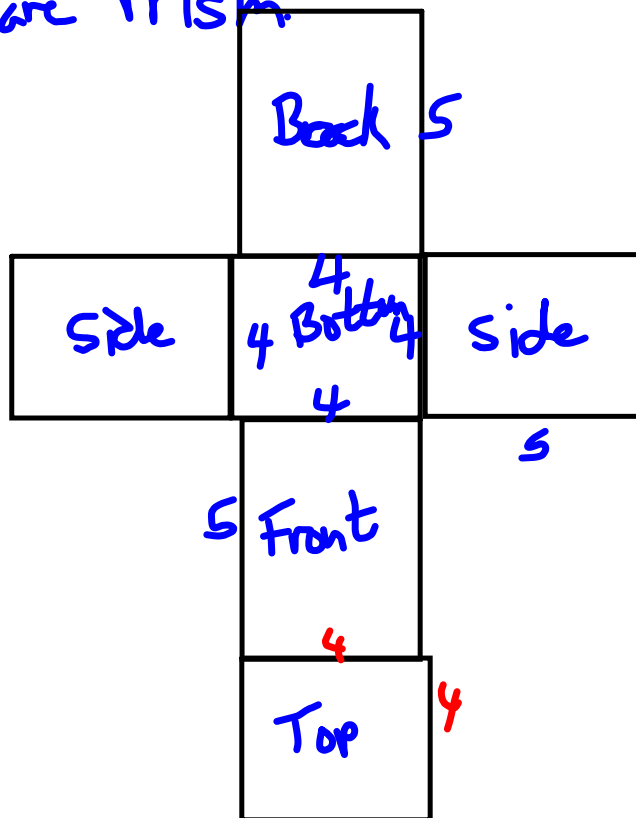


overlap

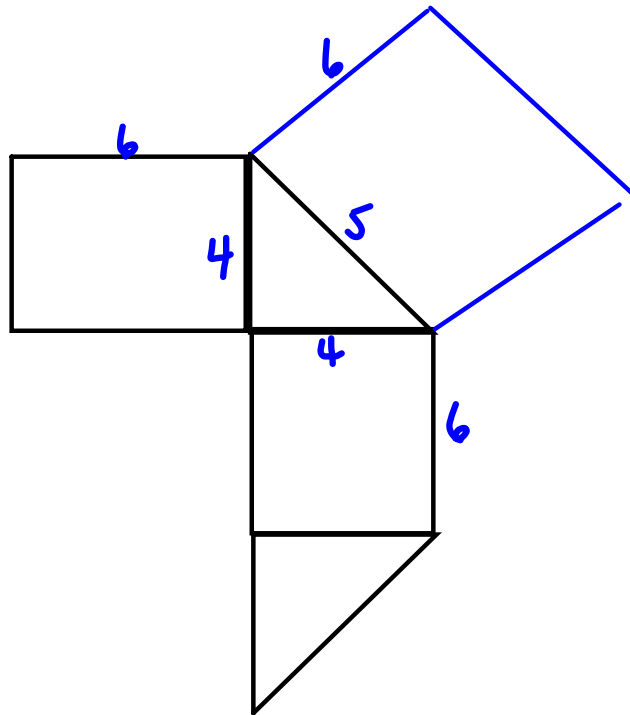
no top and overlap of sides

(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

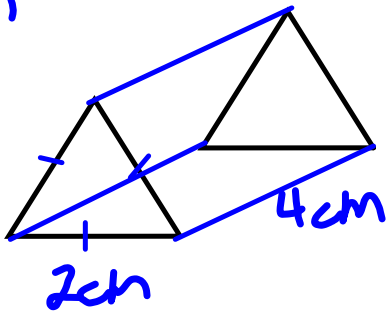
11. Dodecagon

- 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

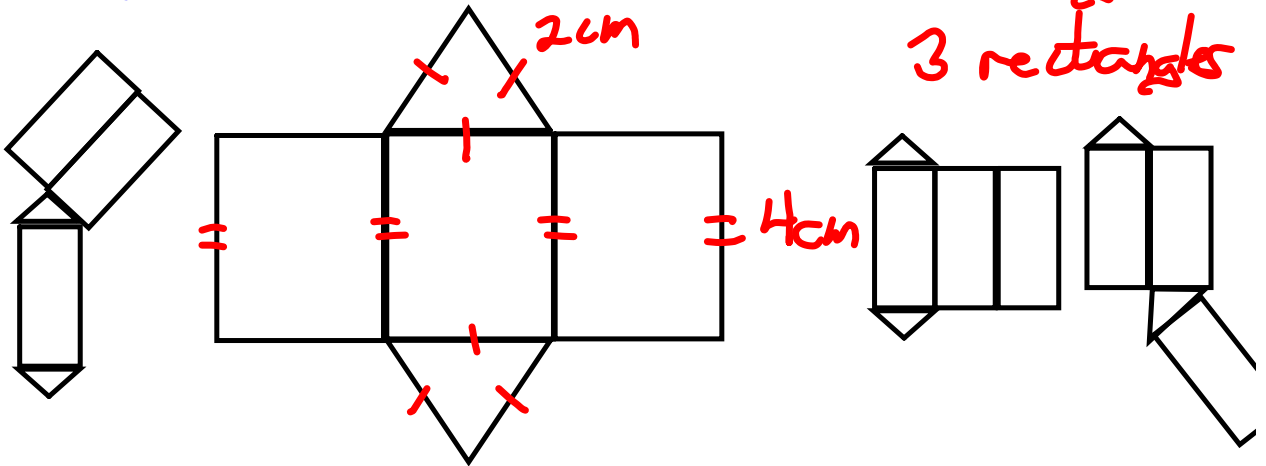
Net C is correct

12a)

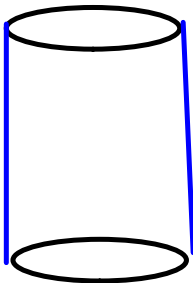


Triangular Prism

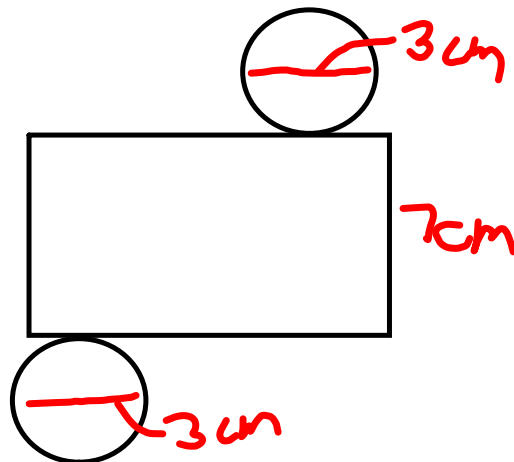
Faces - 2 equil. triangles
3 rectangles



b)

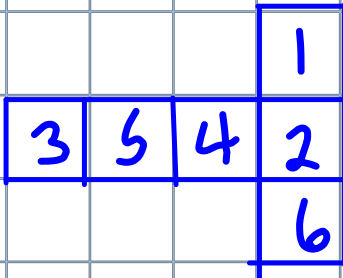


Cylinder
Faces - 2 circles
1 rectangle



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

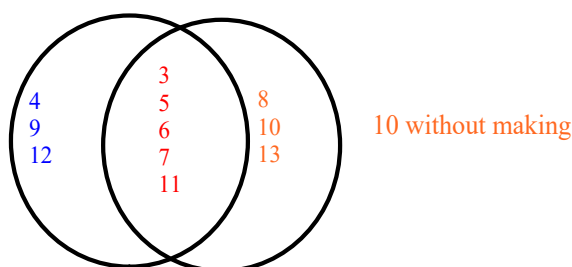
c) one rectangle, two pairs of congruent triangles
Rectangular Pyramid

d) five congruent triangles and one regular pentagon
Pentagonal Pyramid

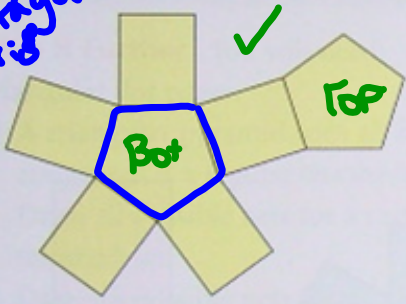
e) four congruent equilateral triangle
Triangular Pyramid - Tetrahedron

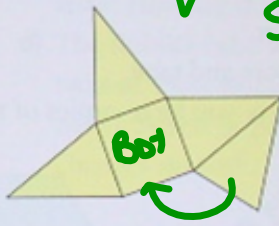
15. Wrapping Paper

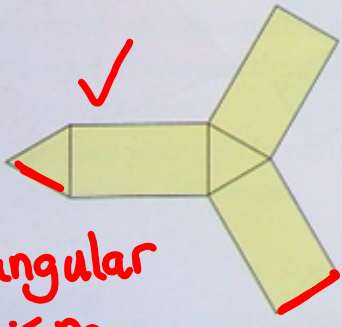
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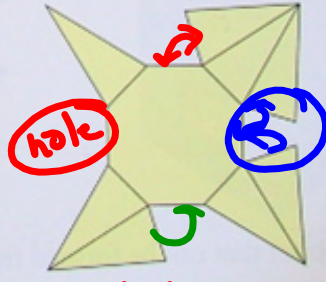


Look at the diagrams below.
Is each diagram the net of an object?
If your answer is yes, name and describe the object.
If your answer is no, what changes could you make so it could be a net?

a) 

b) 

c) 

d) 

Pentagonal
Prism

Square
Pyramid

Triangular
Prism

hole overlap

Not a net
Since it has
an overlap
and a hole

Class/Homework

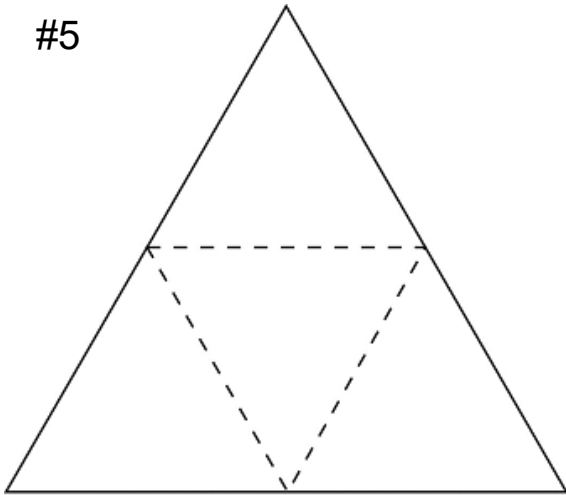
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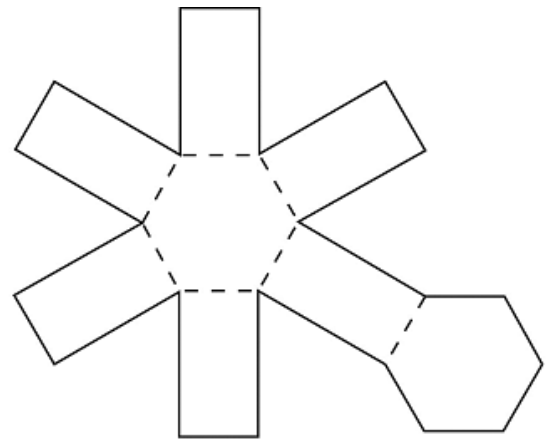
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*ac → Redraw
and
match*

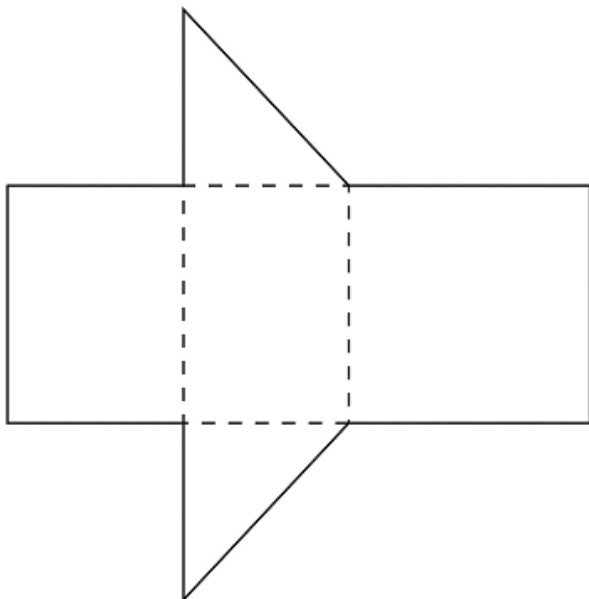
#5



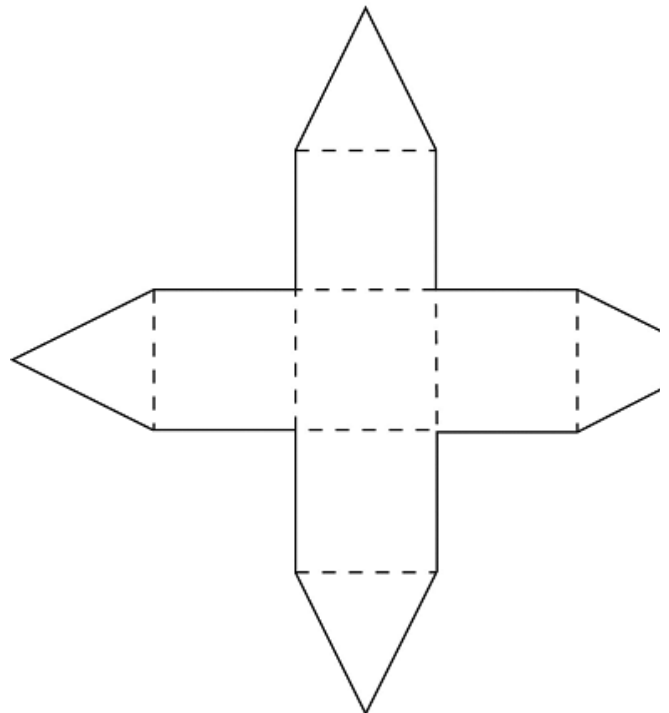
Net C



Net E

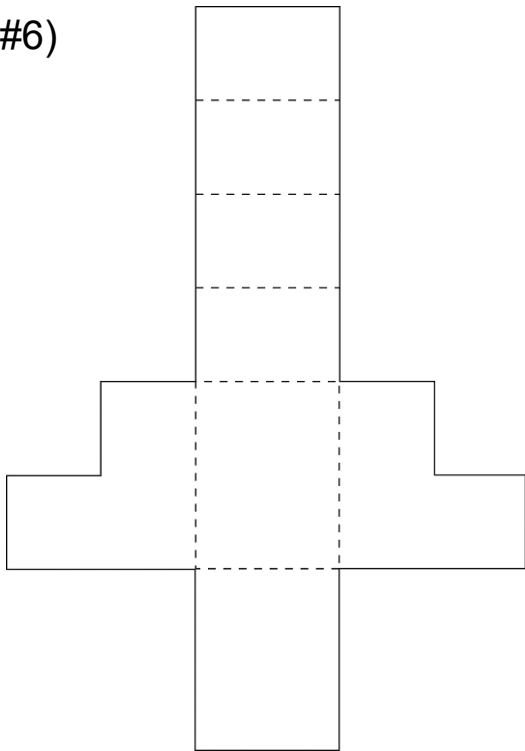


Net D

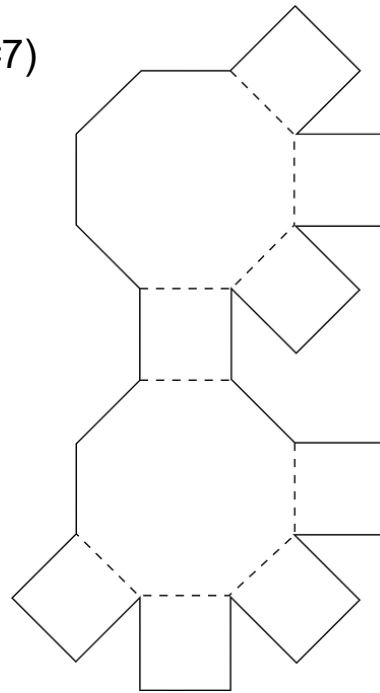


Net F

#6)



#7)



Warm-Up

1. A ship travels for 14 km toward the south. It then changes direction and travels for 9 km toward the east. How far does the ship have to travel to return directly to its starting point?
2. Use mental math.
 - a) $3/4 \div 1/4$
 - b) $\sqrt{36} + \sqrt{25}$

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