Warm Up Grade 8

Oct. 23

5 people

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

means ÷

What is each person's share of the debt? $12 ÷ 5 = $2.40

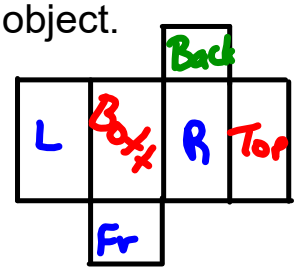
2. Use mental math.

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

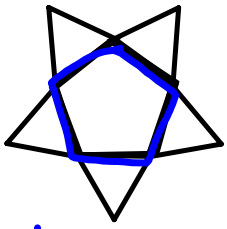
x2 ↑ ↑ x2

$\frac{1}{5}$ of 30 = 6

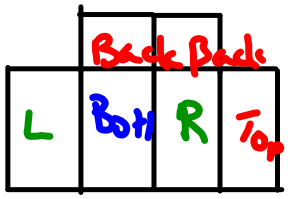
3) Which of the following will be a net for a 3D object.



Rectangular Prism



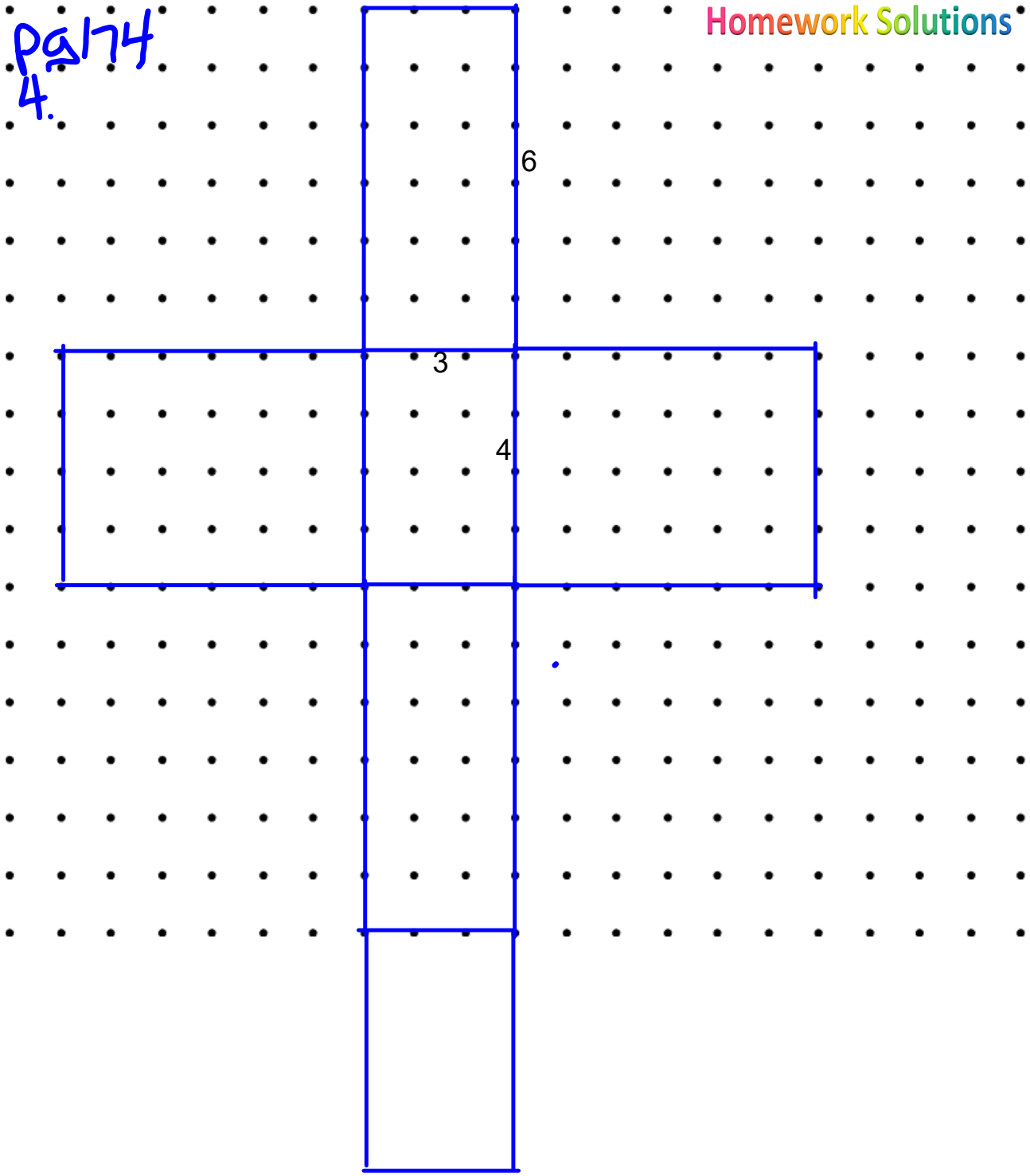
1 pentagon
5 Δ
Pentagonal Pyramid



Not a Net

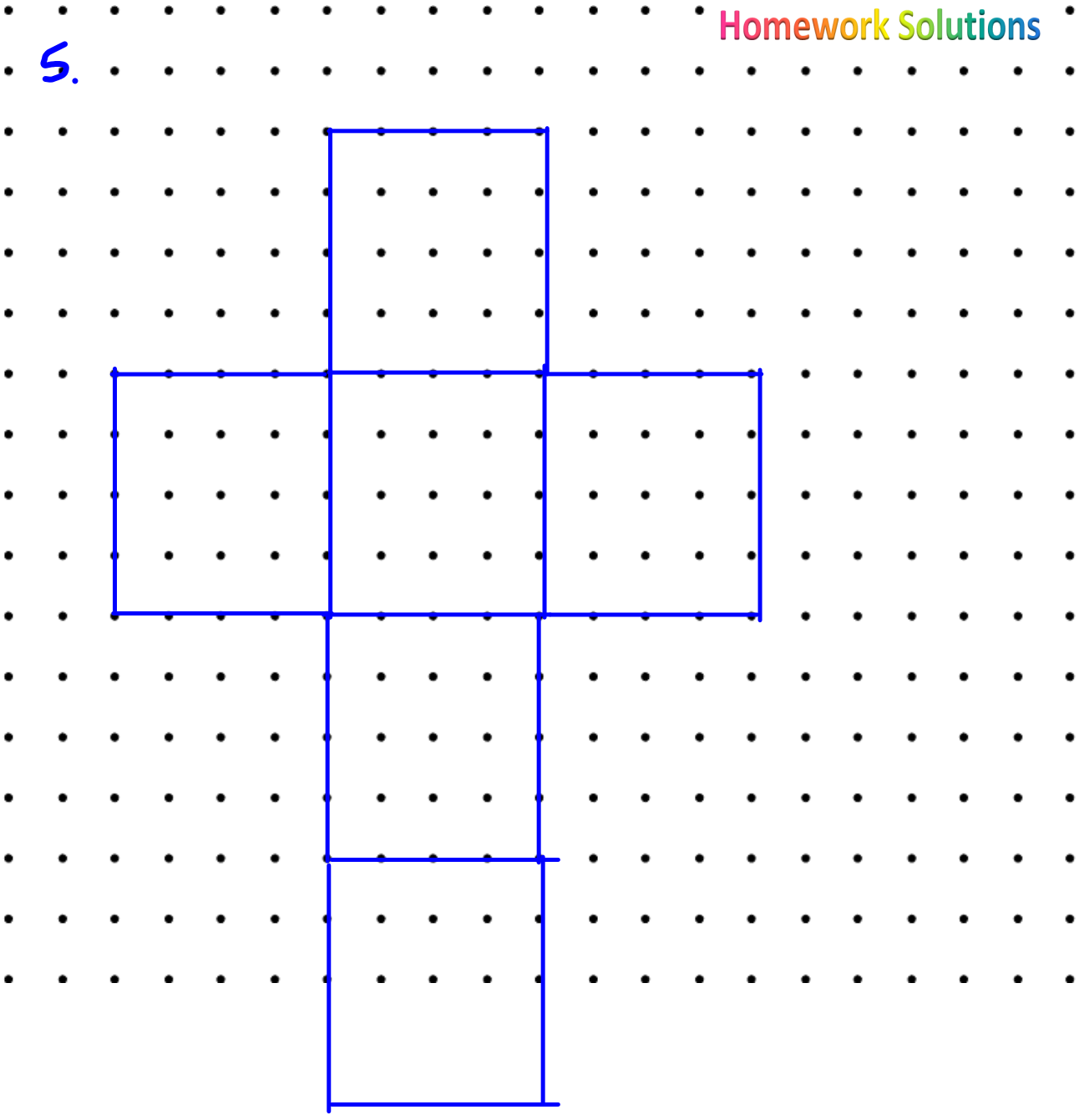
pg174
4.

Homework Solutions

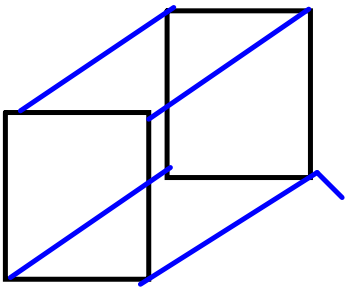


Homework Solutions

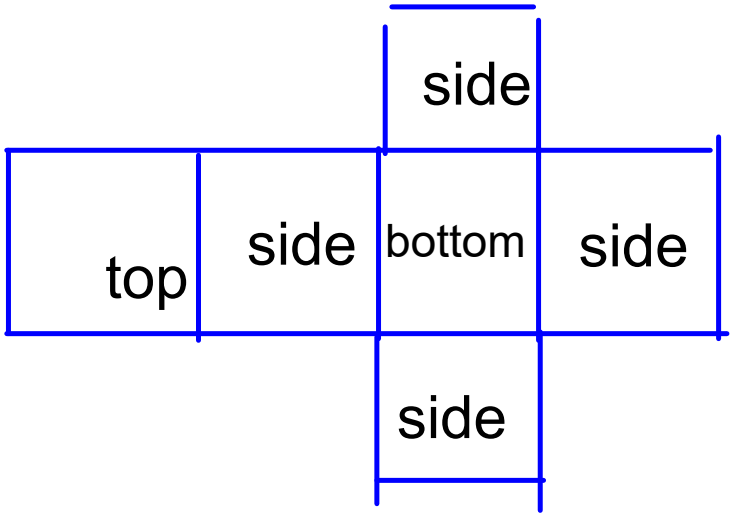
5.



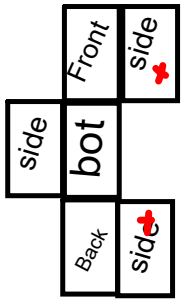
b.



The correct net is b)



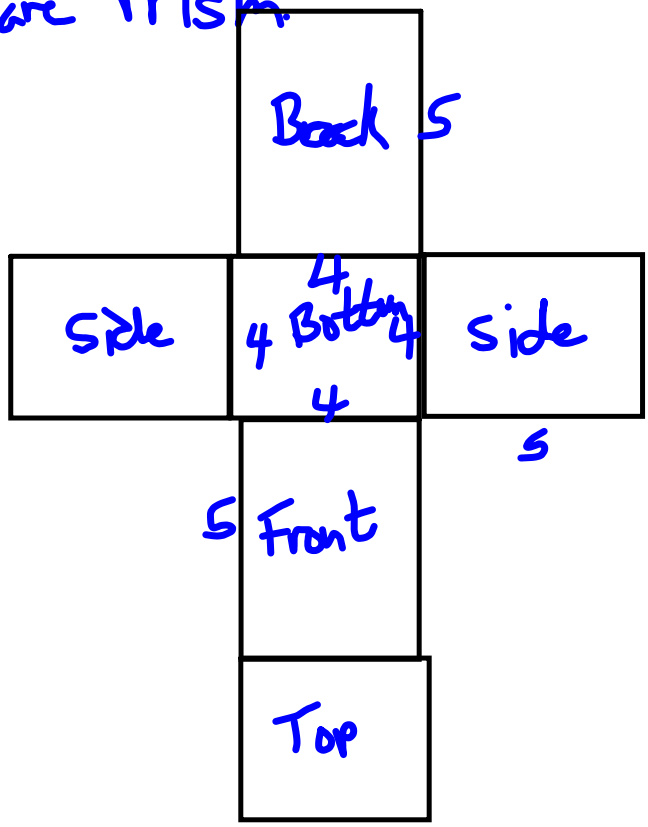
b)



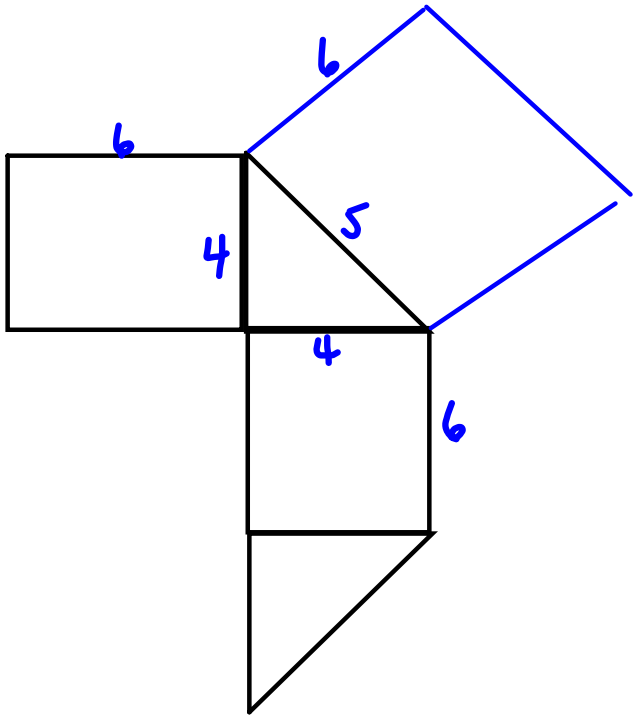
no top and overlap of sides

(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 → F

Hexagonal Prism

Faces → 2 hexagons
6 rectangle

B → D

Pentagonal Pyramid

Faces → 1 pentagon
5 triangles

C → E

Pentagonal Prism

Faces → 2 pentagons
5 rectangles.

10. Square Pyramid

Nets A, B, C

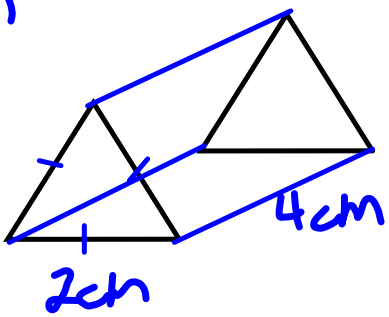
11. Dodecagon

- 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

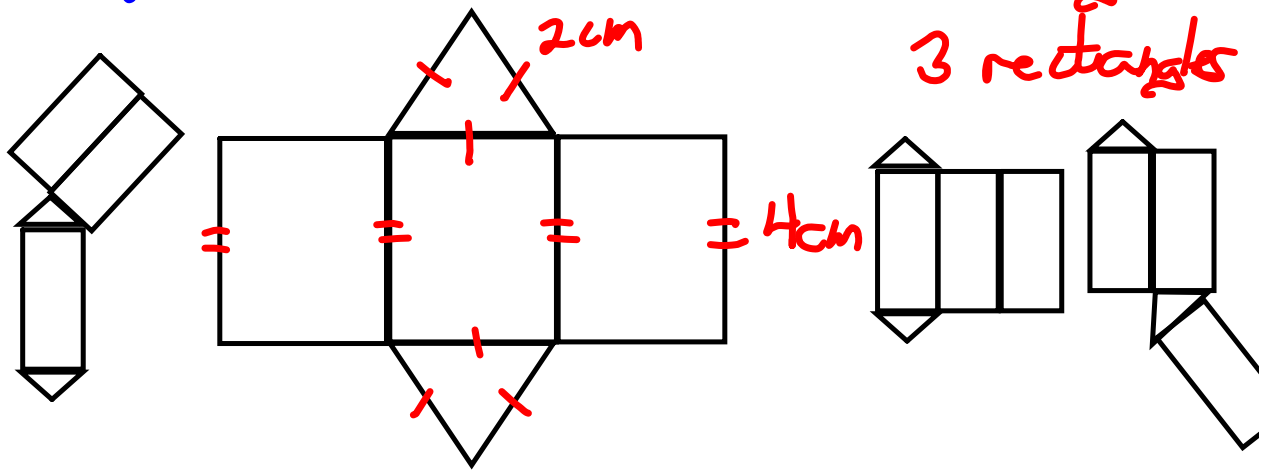
Net C is correct

12 a)

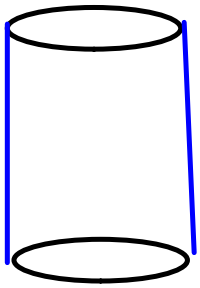


Triangular Prism

Faces - 2 equil. triangles
3 rectangles

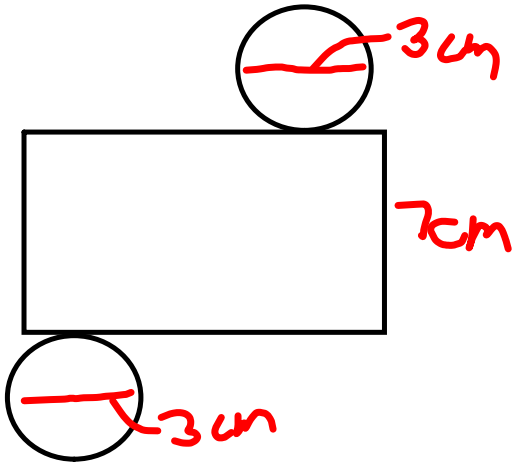


b)



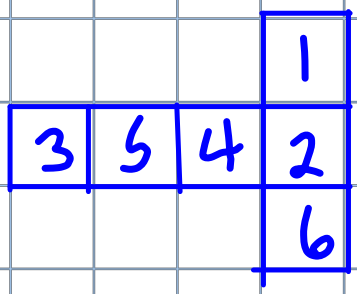
Cylinder

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

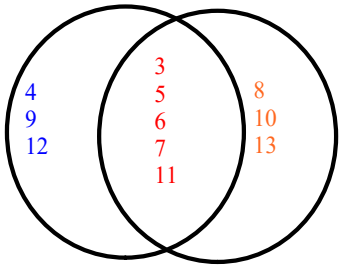
Pentagonal Pyramid

e) four congruent equilateral triangle

Triangular Pyramid _ Tetrahedron

15. Wrapping Paper

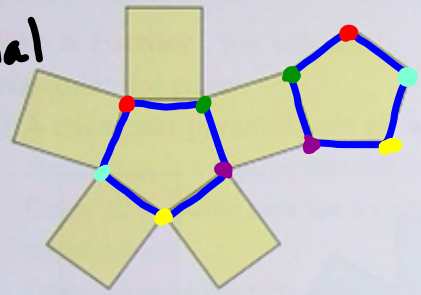
Homework pg. 180



10 without making

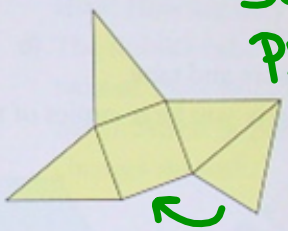
Look at the diagrams below.
Is each diagram the net of an object?
If your answer is yes, name and describe the object.
If your answer is no, what changes could you make so it could be a net?

a)



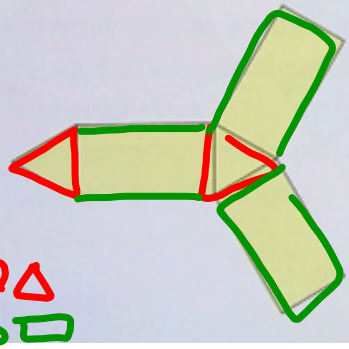
Pentagonal Prism

b)



Square Pyramid

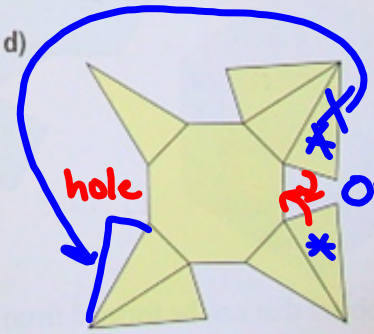
c)



2△
3□

triangular Prism

d)



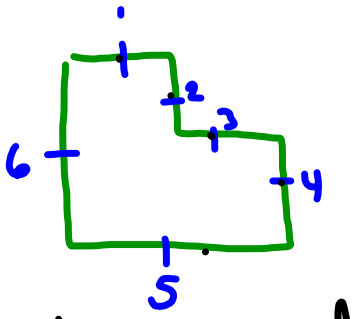
Not a net

Class/Homework

Page 180 #1, 4, 5

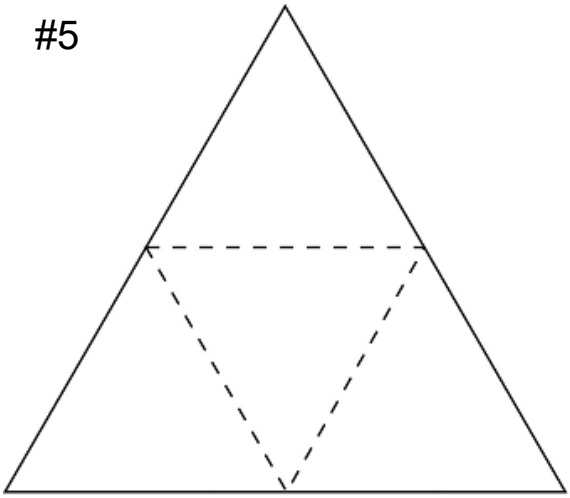
Page 181 # 6, 7

Page 182 #11

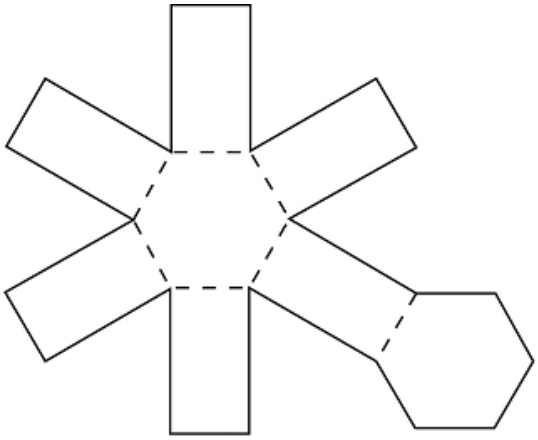


hexagonal prism

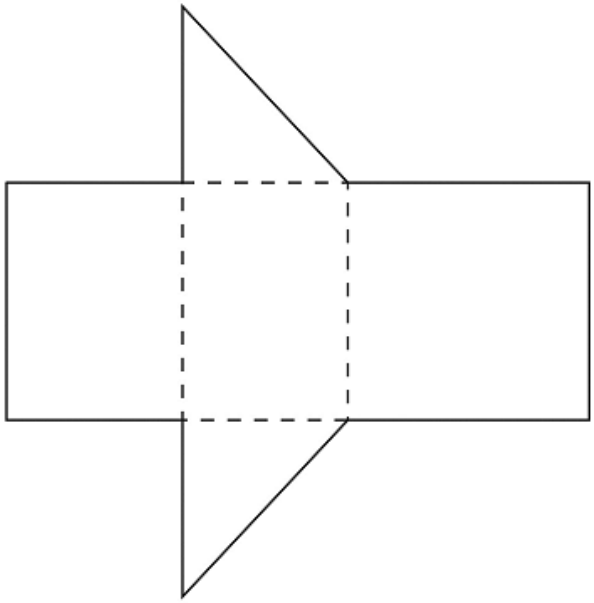
#5



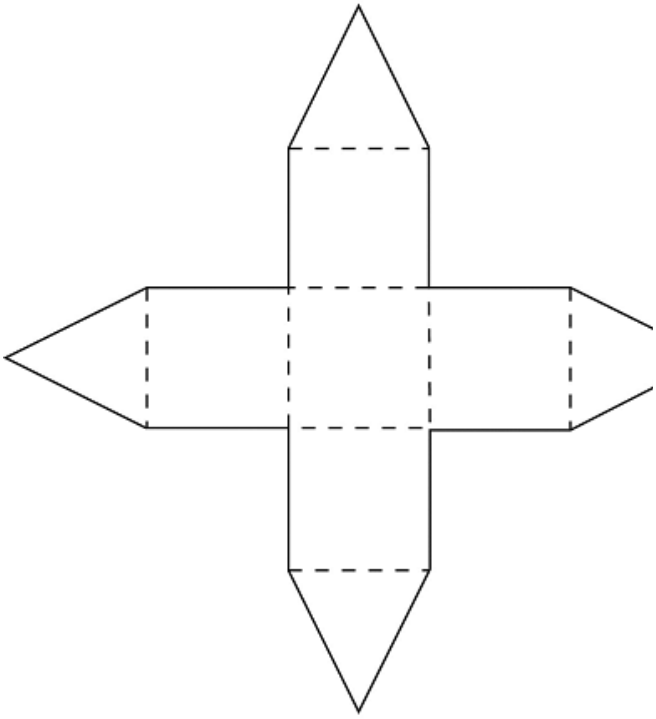
Net C



Net E



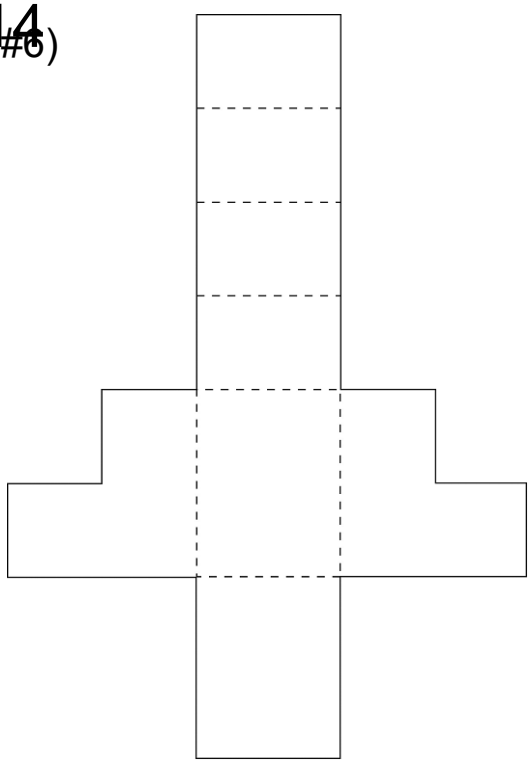
Net D



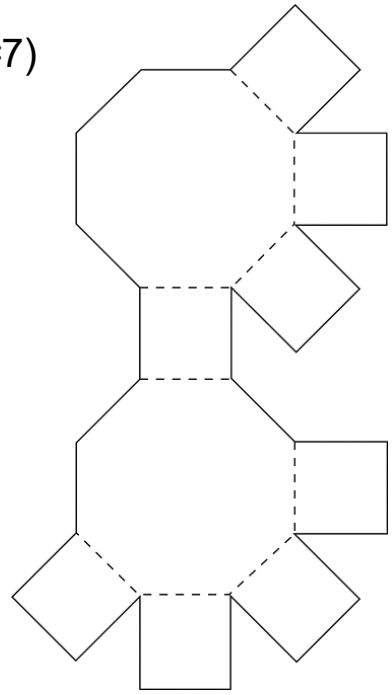
Net F

, 14

#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) $\sqrt{36} + \sqrt{25}$