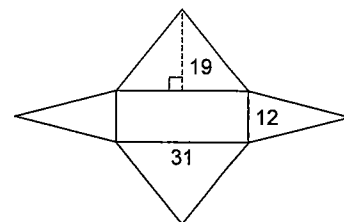
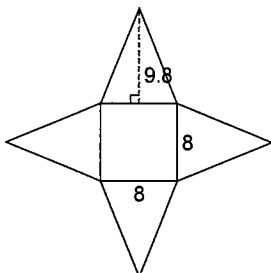
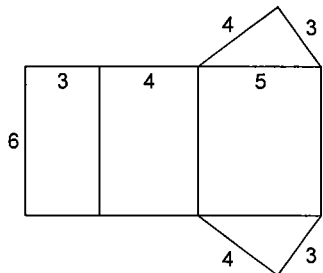
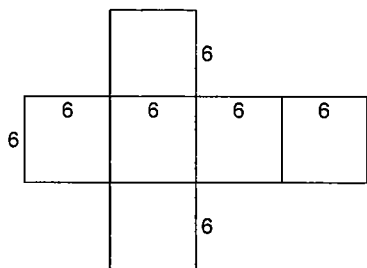


Answers to Practice M1 Part 1 ~ Exploring & Creating Objects from Nets

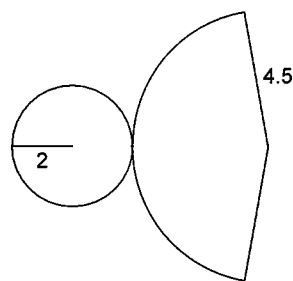
- | | | | |
|-------------------------|-----------------------|------------------------|----------------------|
| 1) pentagonal pyramid | 2) cylinder | 3) square pyramid | 4) pentagonal prism |
| 5) cone | 6) rectangular prism | 7) triangular pyramid | 8) hexagonal pyramid |
| 9) square prism | 10) triangular prism | 11) hexagonal prism | |
| 12) rectangular pyramid | 13) square prism | 14) hexagonal pyramid | |
| 15) rectangular prism | 16) rectangular prism | 17) cone | |
| 18) pentagonal pyramid | 19) pentagonal prism | 20) triangular prism | |
| 21) hexagonal prism | 22) cylinder | 23) triangular pyramid | 24) square pyramid |
| 25) | 26) | 27) | |



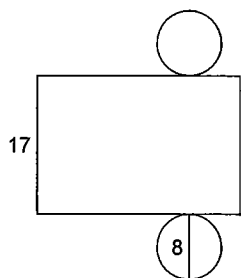
28)



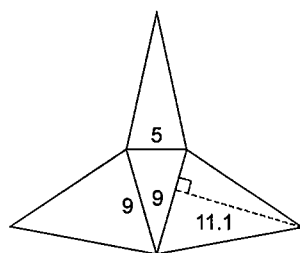
29)



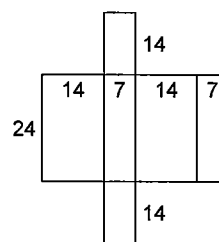
30)



31)



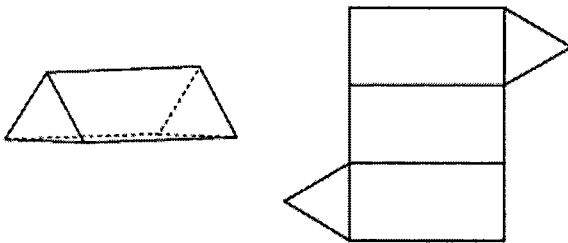
32)



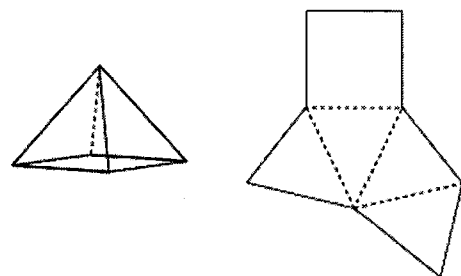
Math 8**Practice M1 Part 2 ~ Exploring & Creating Objects from Nets****Quick Review**

- A prism has two congruent bases and is named for its bases.
A pyramid has one base and the other faces are congruent triangles.
- A net is a diagram that can be folded to make an object.

The diagram shows a triangular prism and its net.



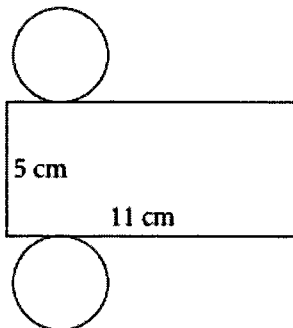
The diagram shows a square pyramid and its net.



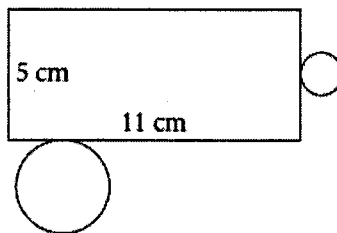
□ Textbook page 174 #4, 5, 8–11, 12b

1. Which of the following diagrams is not the net of a right cylinder?

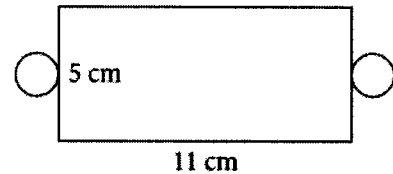
A



B



C



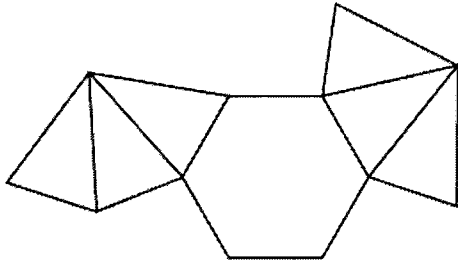
The figure in part B is not the net of a right cylinder.

2. Is each diagram the net of an object?

If your answer is yes, name and describe the object.

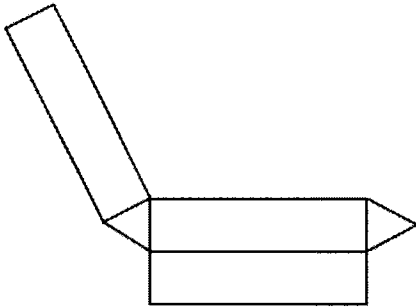
If your answer is no, what changes could you make so it could be a net?

a)



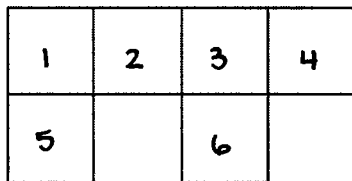
The diagram is the net of an object. hexagonal pyramid

b)



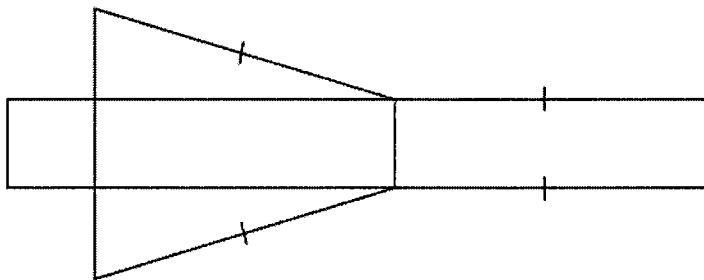
The diagram is the net of an object. triangular prism

c)



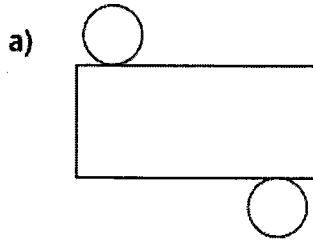
The diagram is not the net of an object. Move # 6 above #3
(or # 5 above #1) to form a cube.

3. Name and describe the object that can be made from the net.

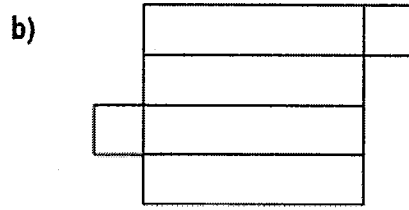


The object is a triangular prism. It has a triangle
at each end, connected by 3 rectangles.

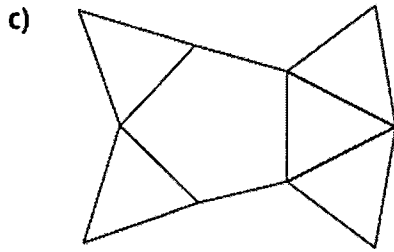
4. Identify the object that each net folds to form.



cylinder

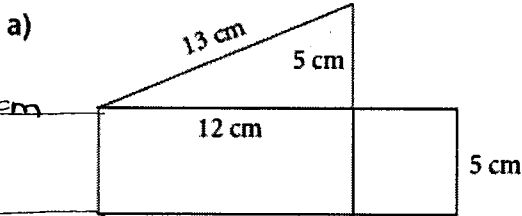


rectangular prism

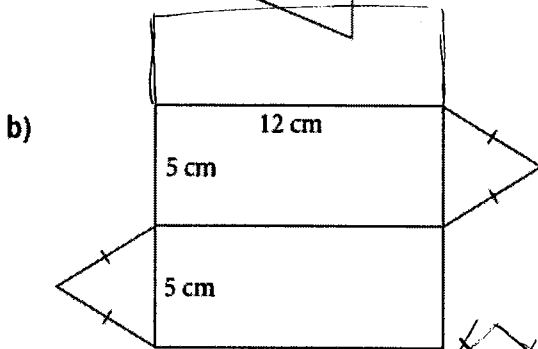


pentagonal pyramid

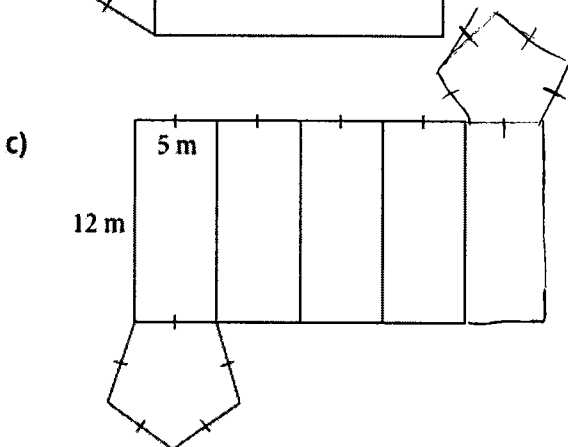
5. Describe the changes that have to be made to each diagram to make it a net. Name the object that can be made from the new net.



- add a 13 x 5 rectangle
- triangular prism



- add another 12 x 5 rectangle
- triangular prism



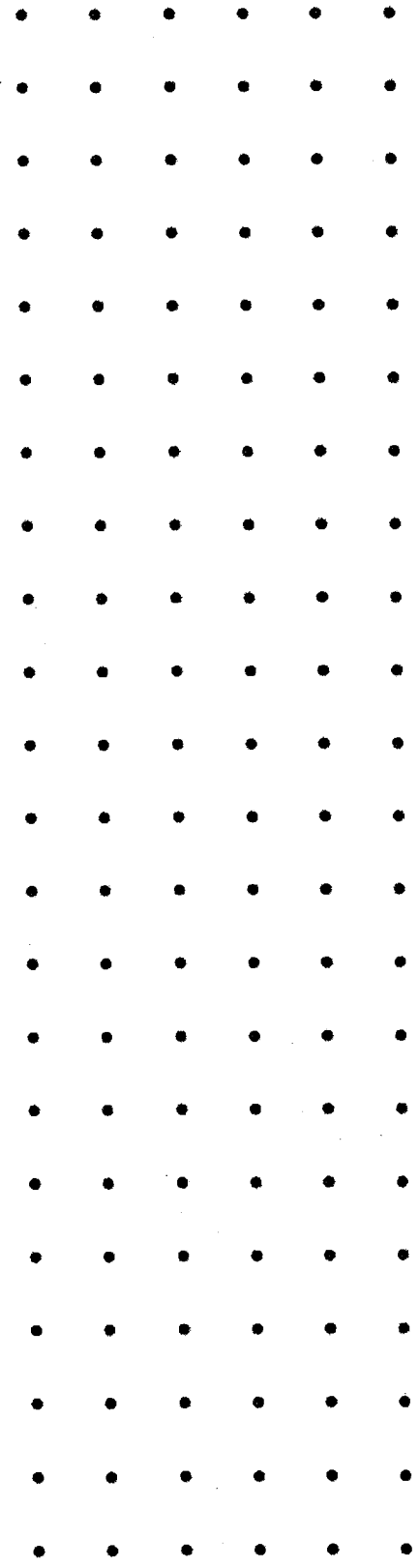
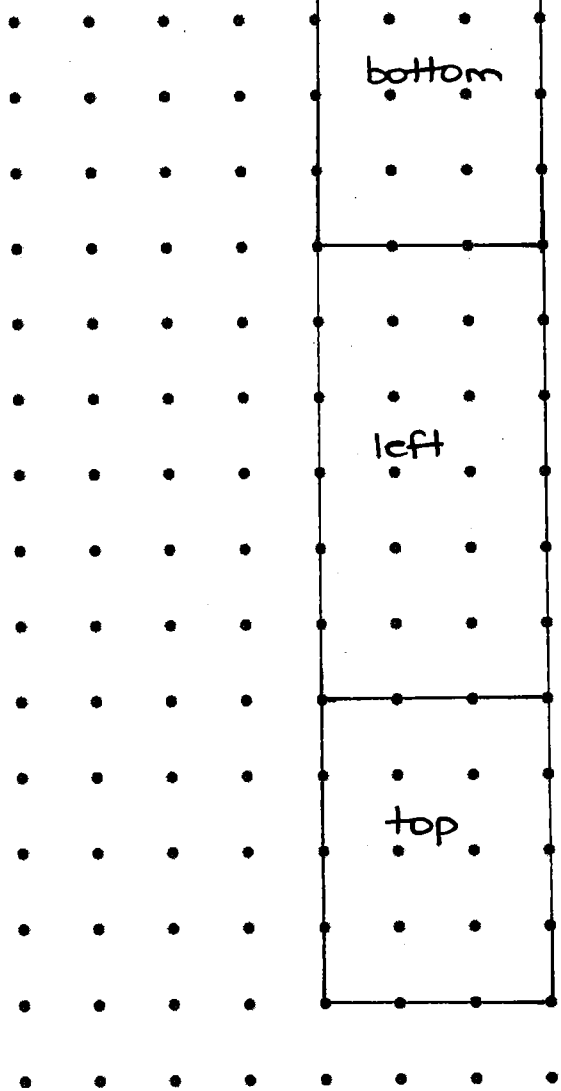
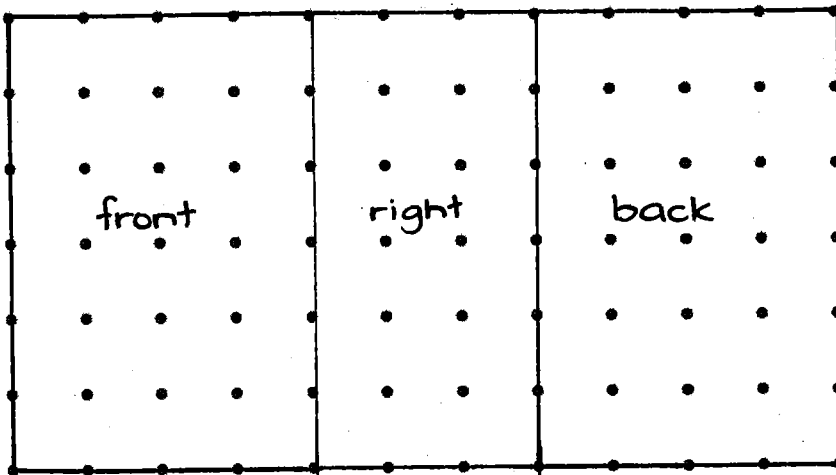
- add another pentagon
- and another 12 x 5 rectangle
- pentagonal prism

Math 8

Practice M1 Part 2 Key (pg 174 #4,5)

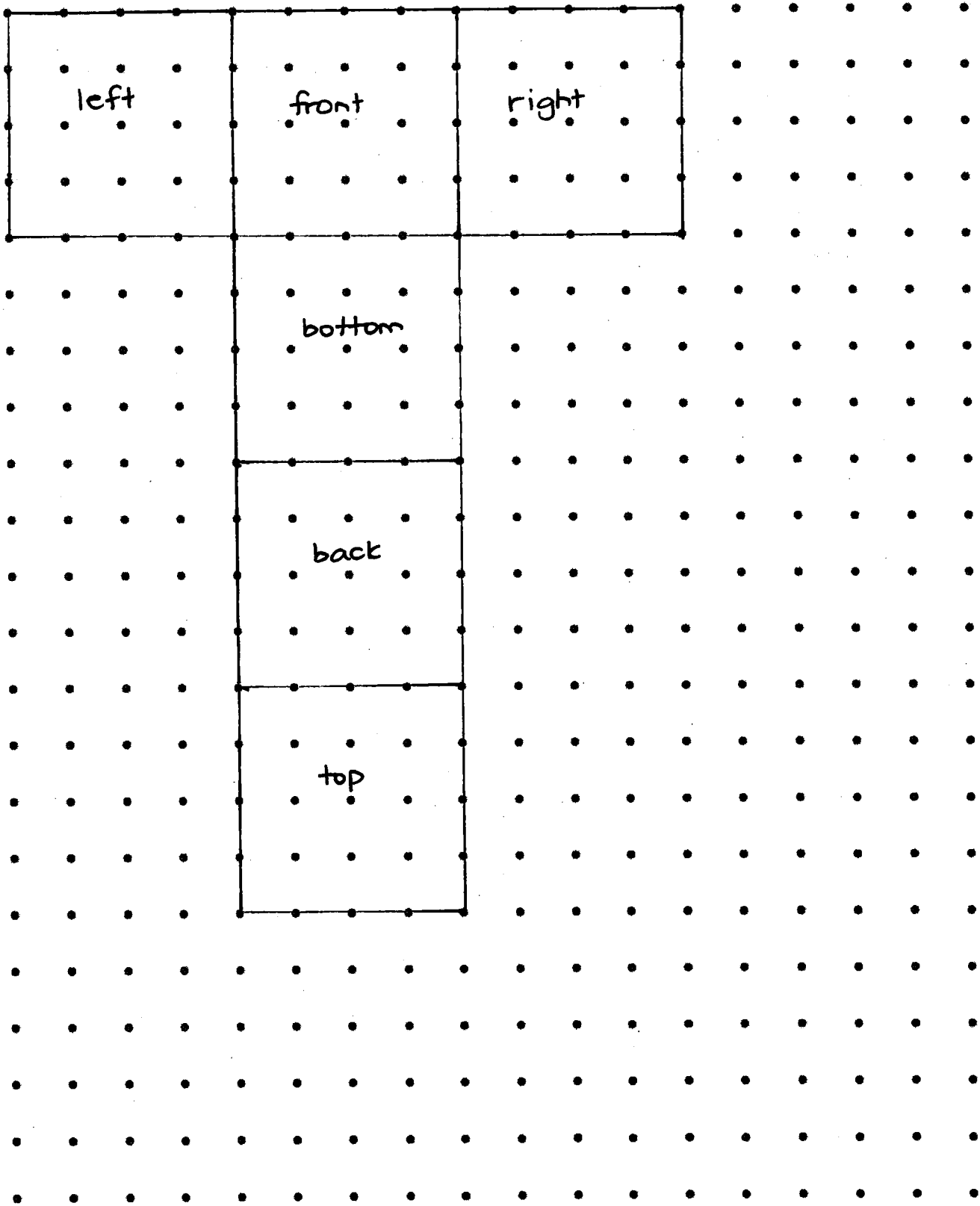
Square Dot Paper

4)



Square Dot Paper

5)



Name: KEY

Date: _____

Math 8

Practice M1 Part 3 ~ Exploring & Creating Objects from Nets

Views of an object:

- Top/bottom
- Front/back
- Left/right

1. How many **different** views can you draw of the following shapes? Explain.

a) cylinder

2 → top/bottom &
↘ front/back/left/right

b) cube

1 → all views look the same

c) hexagonal prism

3 → top/bottom
↘ left/right
↘ front/back

d) rectangle-based pyramid

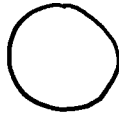
4 → top
↘ bottom
↘ left/right → front/back

2. Draw the different views of the following shapes. Please label each view.

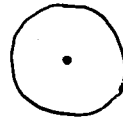
a) cone



front/back/
left/right



bottom



top

b) rectangular prism



front/
back



left/
right



top/
bottom

c) triangle-based pyramid



bottom



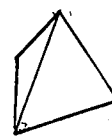
top



front



back



right



left

3. Draw the different views of the shapes created by Mrs. Stefanek. Please label each view.

a) small shape

b) medium shape

c) large shape