

Name: Key
Date: _____

Mr. Johnson
Math 8

Lesson 4.1 – Exploring Nets

Definitions:

Net: a pattern that can be folded to make an object

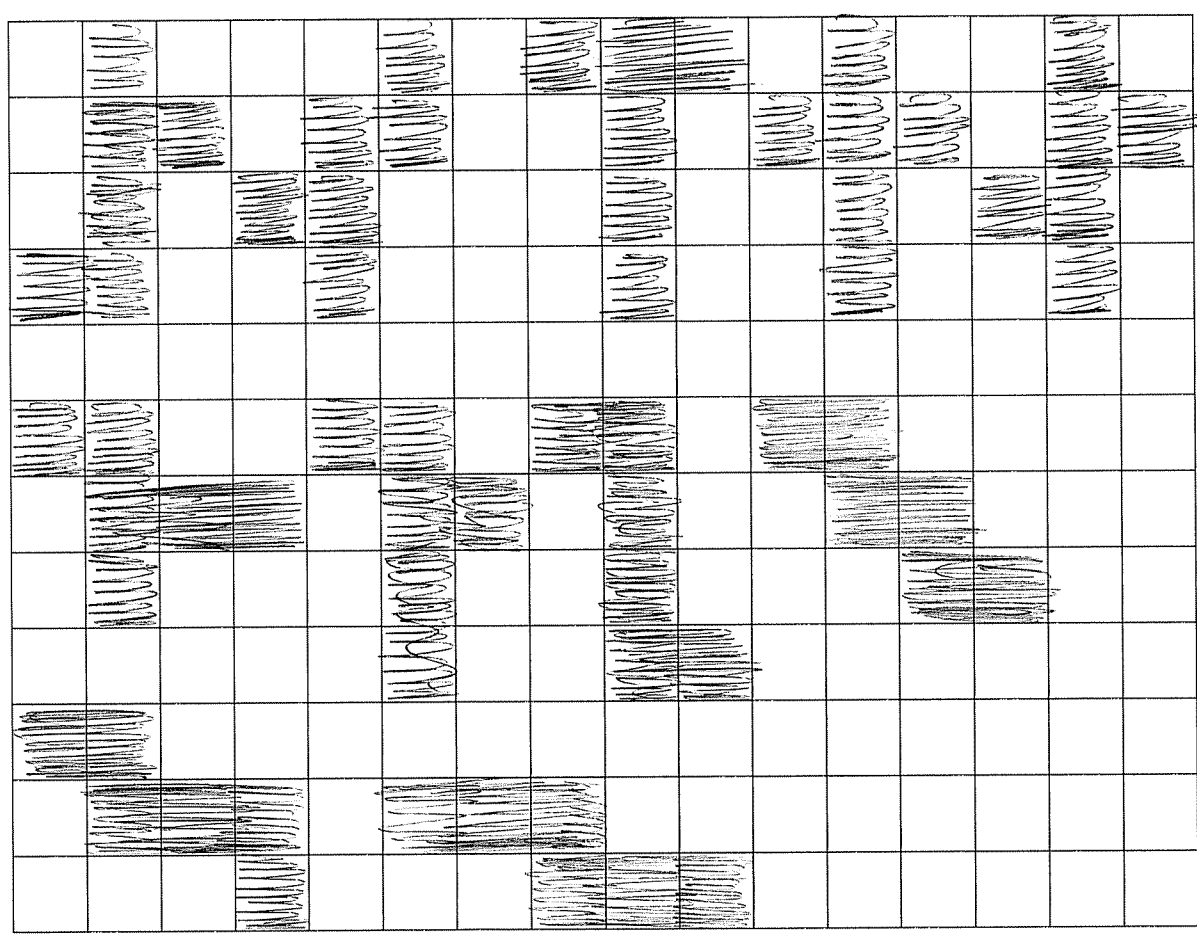
Polyhedron: an object with faces that are polygons (a closed figure)

Prism: an object that has two congruent and parallel faces, and other faces are parallelograms

Pyramid: an object that has one face that is a polygon and other faces that are triangles with a common vertex.

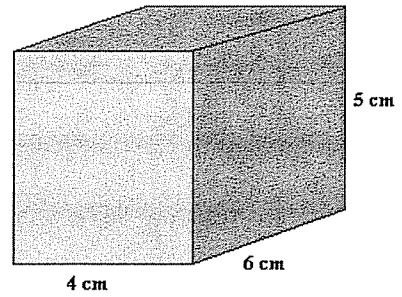
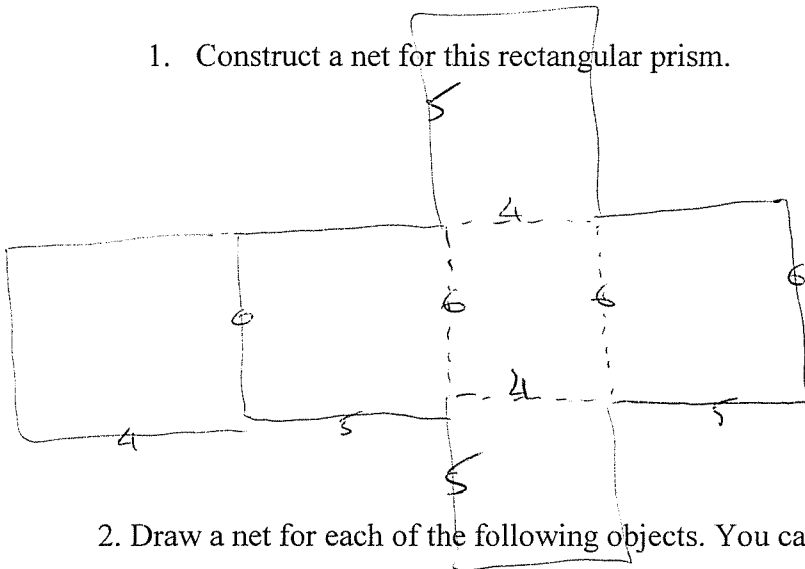
Investigate:

Using the 1 cm grid paper below, construct as many nets for a cube as you can. There is up to 11 different possible nets you can make.



Examples:

1. Construct a net for this rectangular prism.

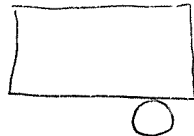


2. Draw a net for each of the following objects. You can choose your own dimensions.

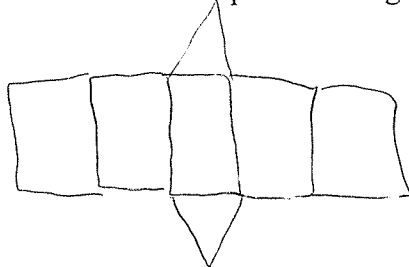
a) A square room

(any from previous page)

b) A cylinder that has no top

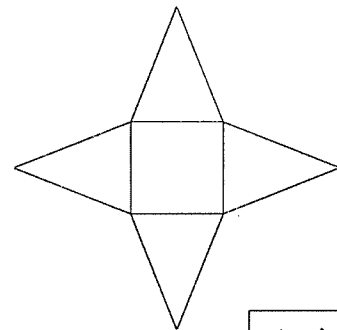
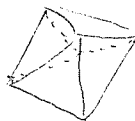


c) A house with an attic in the shape of a triangular prism



3. What object would this net make? Try drawing it.

square pyramid



Assignment:

Pg. 173-176
#s 3-12