

Name: _____ Period: _____

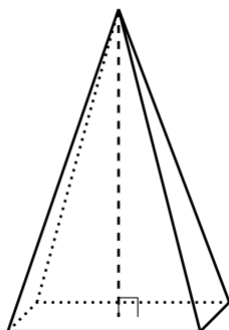
Classwork: Unit 5 Lesson 12

Lesson 12: Prisms and Pyramids

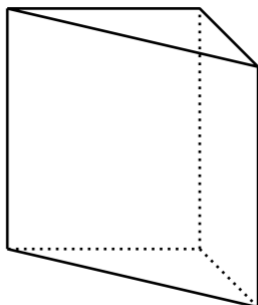
12.1: The Faces of Geometry

Three solids are shown. Draw all the surfaces of each solid.

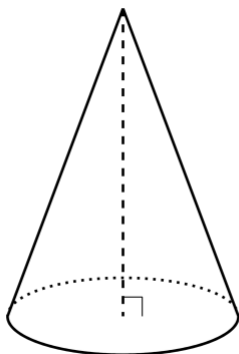
1.



2.



3.



12.3: Building a Prism from Pyramids

Your teacher will give your group 3 nets. Each student should select 1 of the 3 nets.

1. Cut out your net and assemble a pyramid. The printed side of the net should face outward.
 2. Assemble your group's 3 pyramids into a triangular prism. Each pair of triangles with a matching pattern will come together to form one of the rectangular faces of the prism. You will need to disassemble the prism in a later activity, so use only a small amount of tape (or no tape at all if possible).
 3. Make a conjecture about the relationship between the volume of the pyramid marked P1 and the volume of the prism.
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4. What information would you need to verify that your conjecture is true?

Don't throw away your pyramids! You'll use them again.