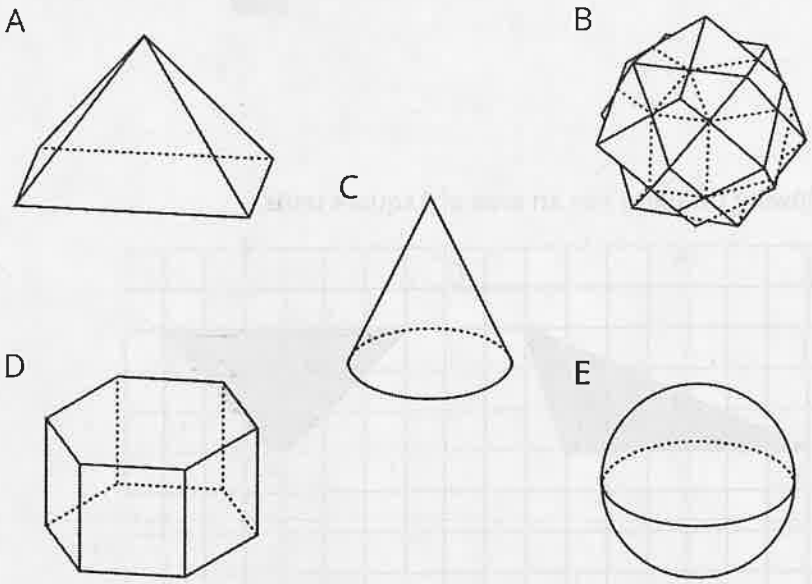
NAME DATE PERIOD

## Unit 1, Lesson 13

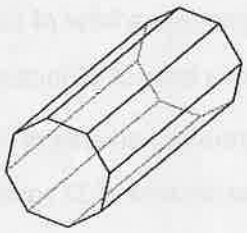
# Practice Problems

1. Select **all** the polyhedra.




2. a. Is this polyhedron a prism, a pyramid, or neither? Explain how you know.

   b. How many faces, edges, and vertices does it have?



3. Tyler said this net cannot be a net for a square prism because not all the faces are squares.

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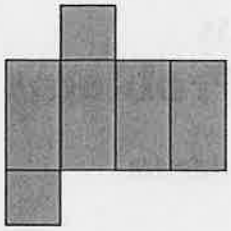
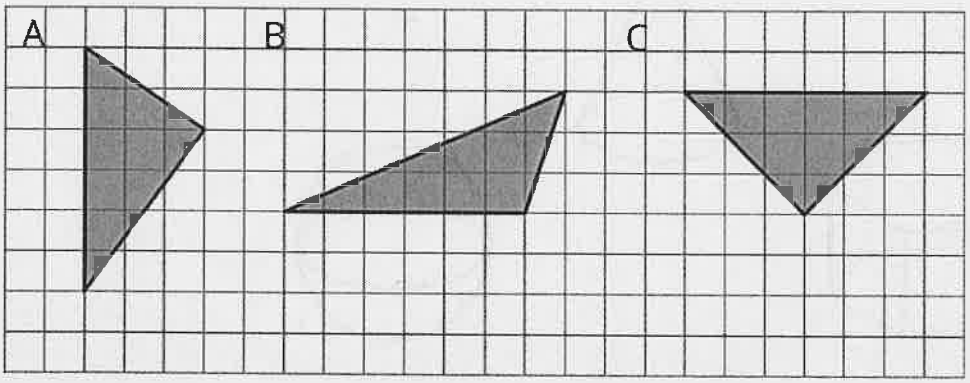
Do you agree with Tyler's statement? Explain your reasoning.



4. Explain why each of the following triangles has an area of 9 square units.




5. a. A parallelogram has a base of 12 meters and a height of 1.5 meters. What is its area?
   b. A triangle has a base of 16 inches and a height of $\frac{1}{8}$ inches. What is its area?
   c. A parallelogram has an area of 28 square feet and a height of 4 feet. What is its base?
   d. A triangle has an area of 32 square millimeters and a base of 8 millimeters. What is its height?

6. Find the area of the shaded region. Show or explain your reasoning.