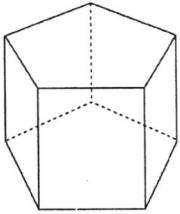
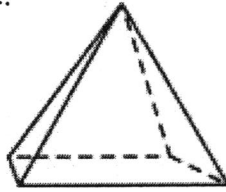


Part 1 Write the name for each of the solids shown.

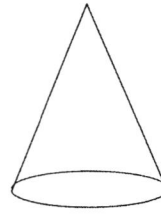
1.



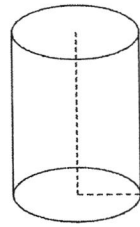
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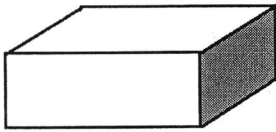
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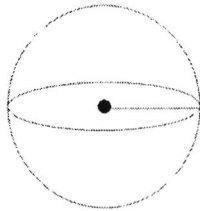
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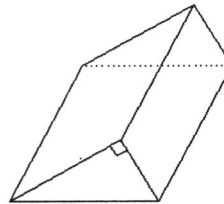
5.



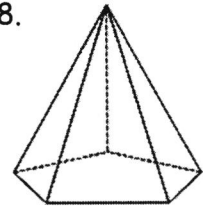
6.



7.



8.



Part 2 Use Euler's Law to answer each of the following questions. $F + V = E + 2$

9. How many edges does a solid with 10 Faces and 12 vertices have?
10. How many faces does a solid with 15 edges and 10 vertices have?
11. How many vertices does a solid with 6 faces and 10 edges have?

Part 3 Answer each of the following questions (soup can problems).

12. What shape is a box of cereal?
13. What do we call the measurement of how much cereal it will hold?
14. What do we call the measurement of how much paint it would take to cover the outside of box?
15. If you tore the top and bottom of the box, what do we call the sides that are left?
16. What shape is a tennis ball can?
17. What is the measure of how much water the can will hold called?
18. What part of the solid is the lid of the tennis ball can?