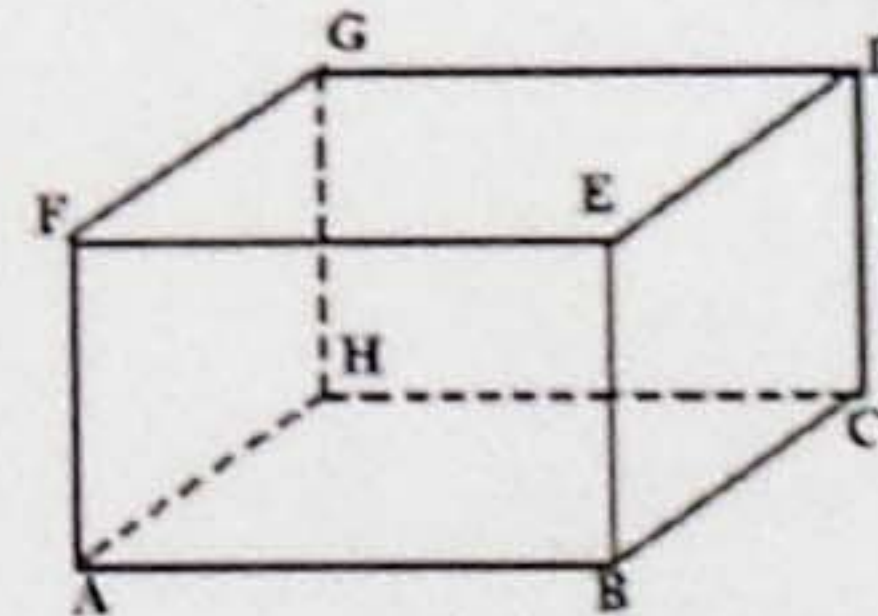
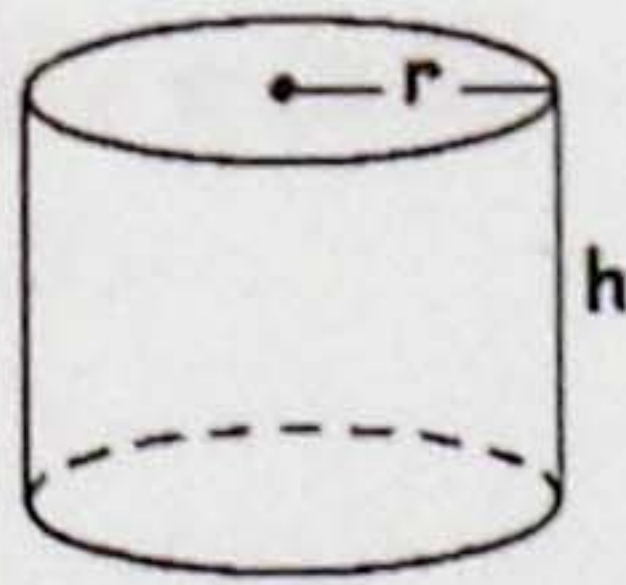
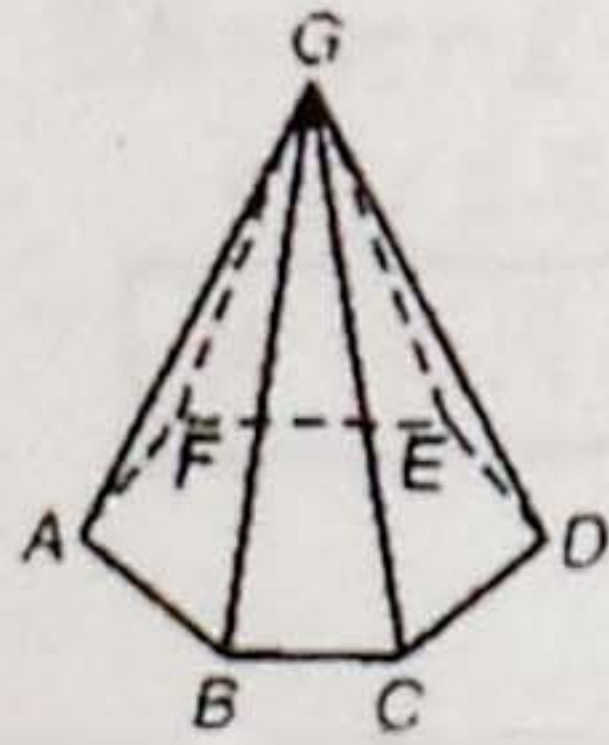




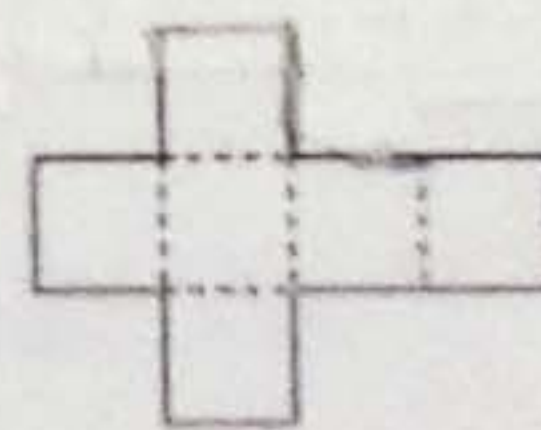
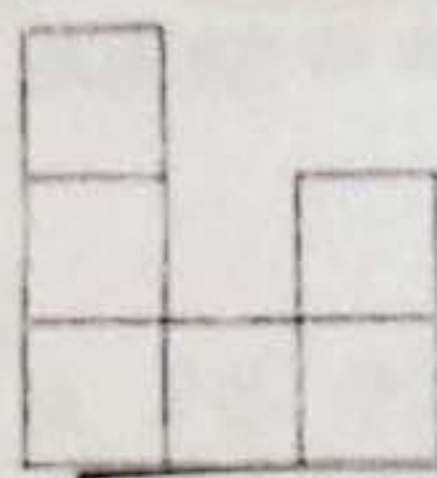
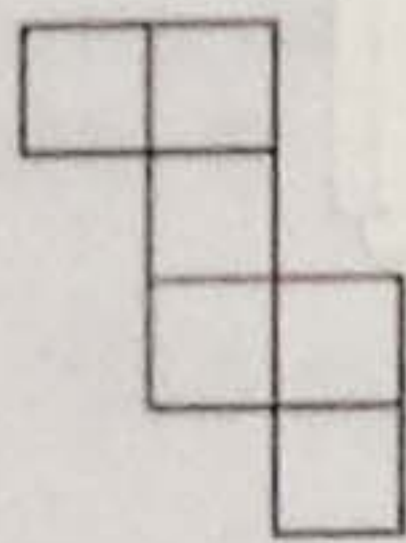
Part 1 (These will be multiple choice, but you will be required to show work)

1. Name the vertices: (NO WORK)

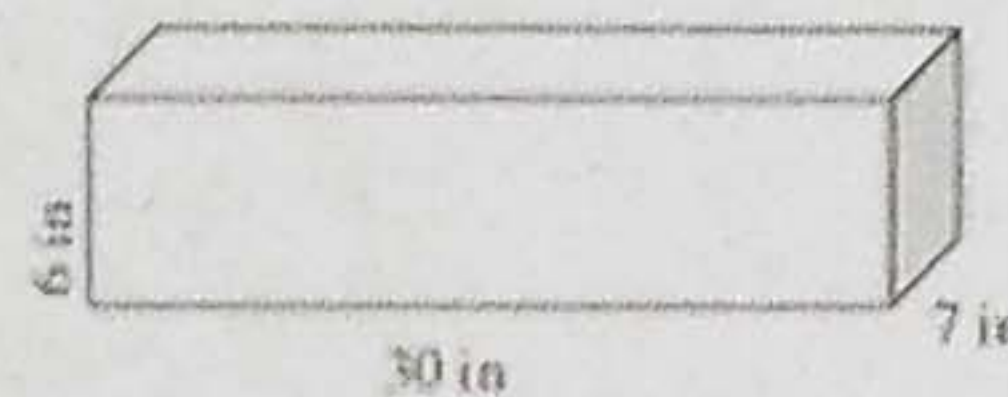


2. What is the classification of a three dimensional figure if the base is hexagonal and the other faces are triangular? (NO WORK)

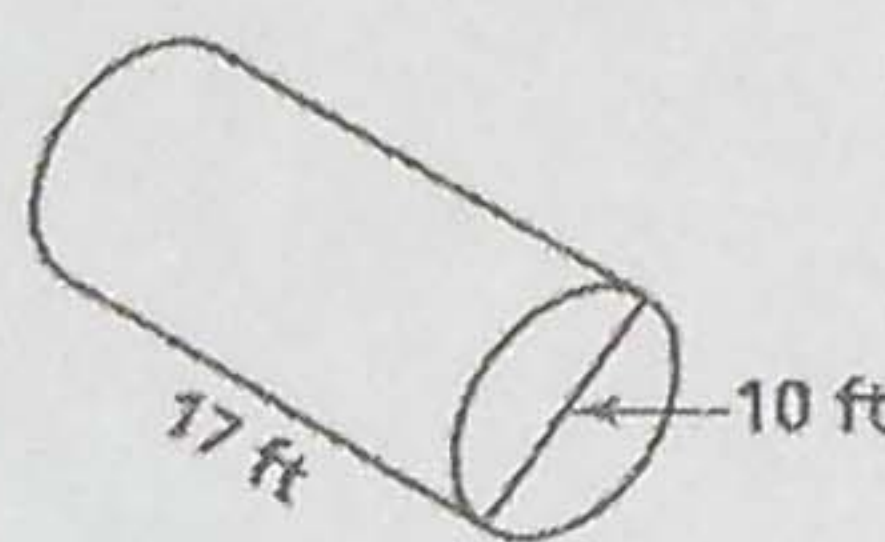
3. Which of these shapes CANNOT be folded to form a cube? (NO WORK)



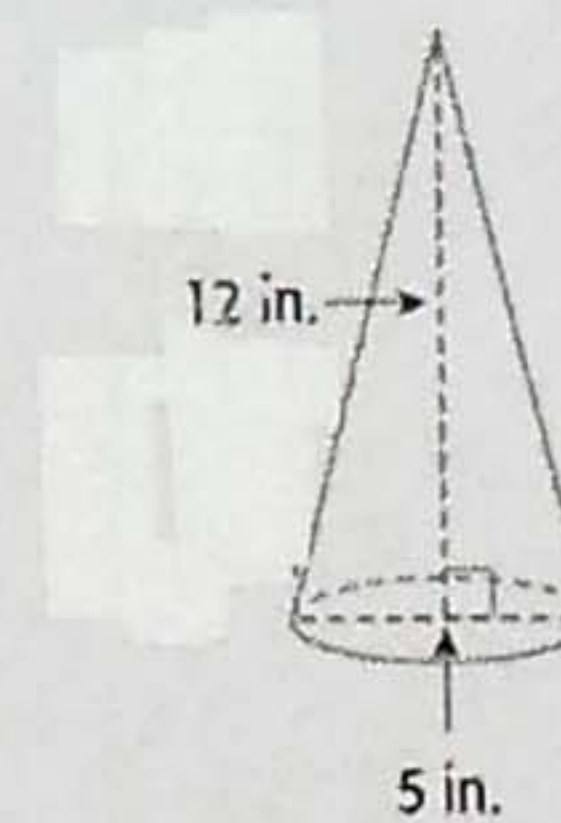
4. What is the lateral area of the rectangular prism? (assume the 30 x 7 side is the base)



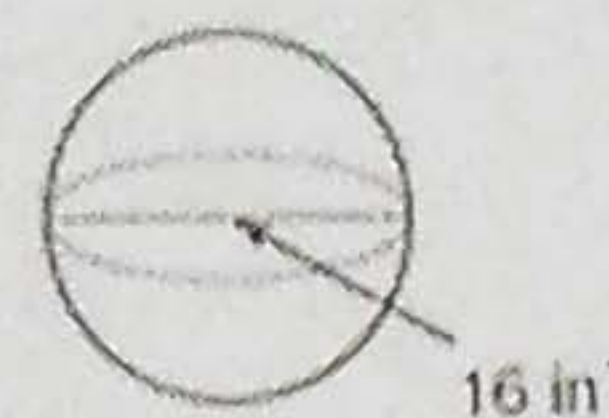
5. What is the surface area of the cylinder?



6. What is the surface area of the right cone?

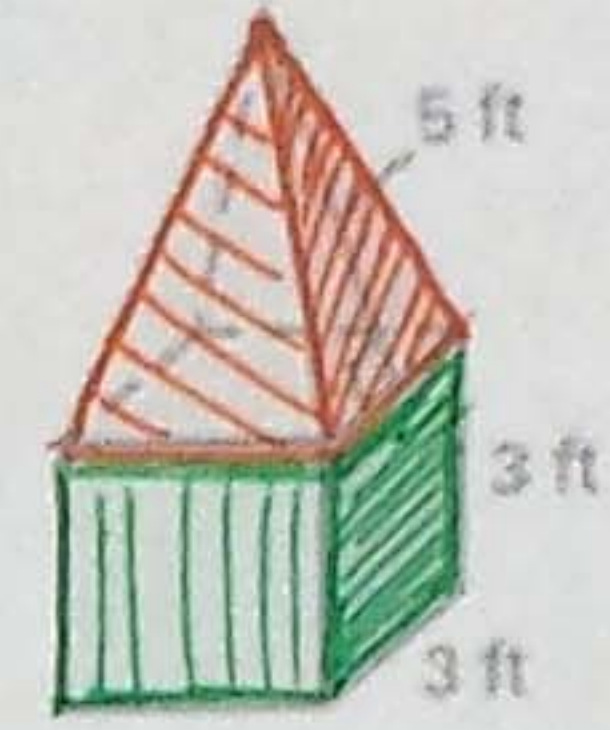


7. What is the surface area of the sphere?



8. What is the effect on the surface area of a triangular prism if all dimensions are multiplied by 4?

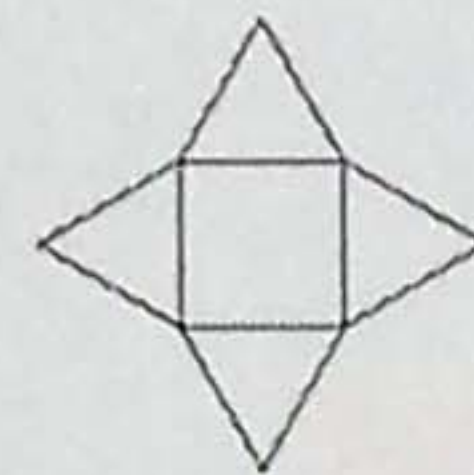
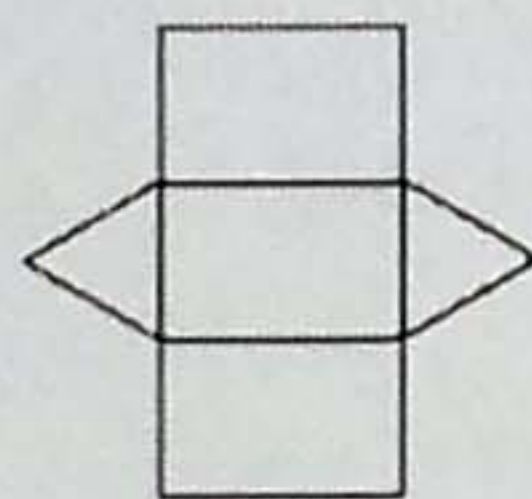
9. What is the surface area of the composite figure?
 (The figure is a cube with a pyramid on top)



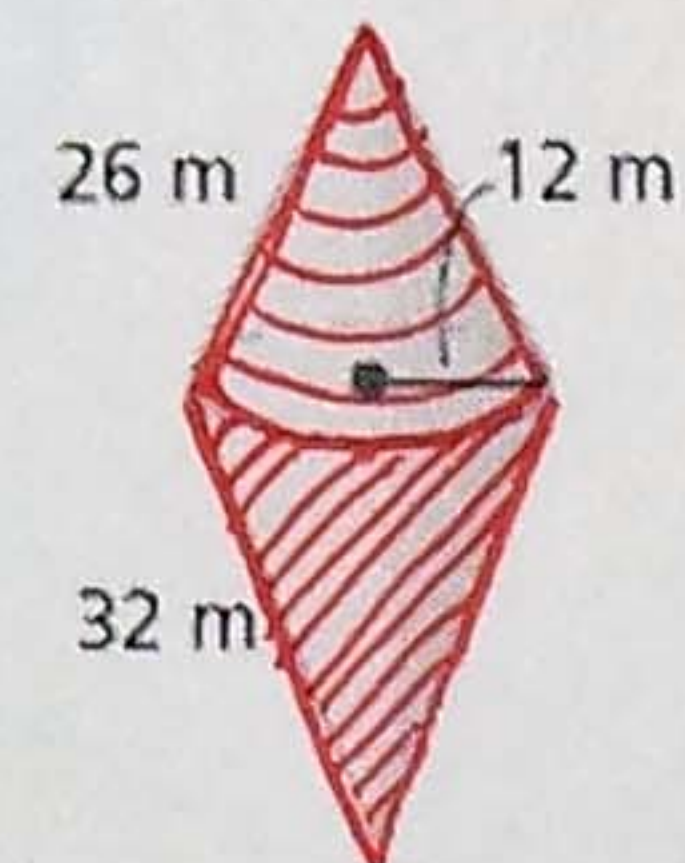
Part 2 (These will be regular questions, and you will be required to show work)

10. Write the number of vertices, edges and faces on a pentagonal pyramid.
 Draw a diagram.

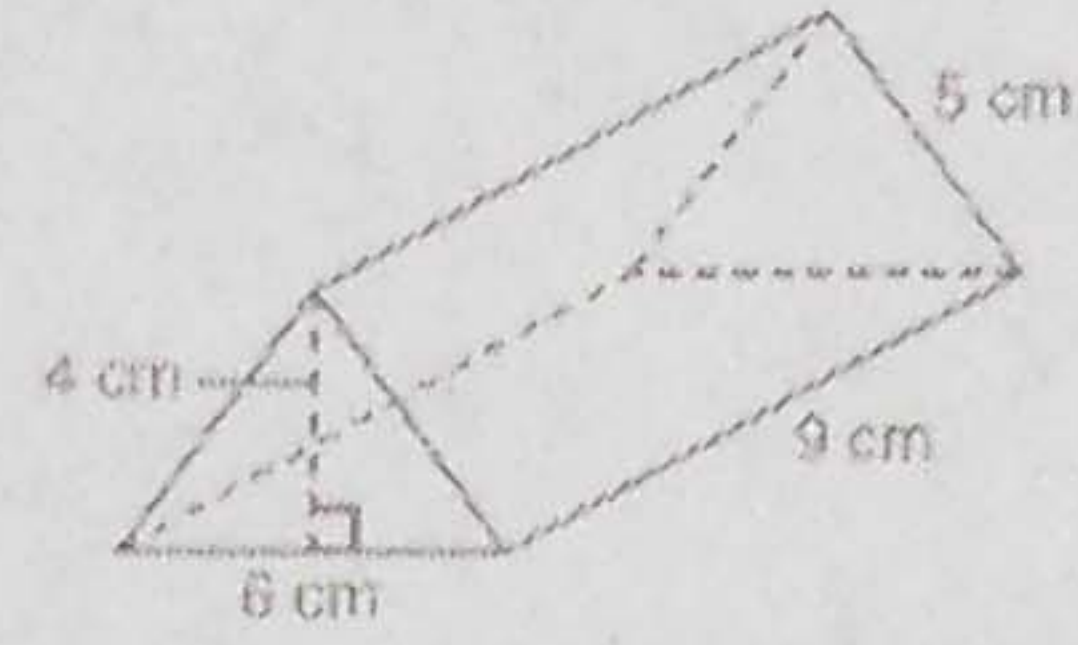
11. Give the name of the figure represented by the given net.



12. Find the surface area of the composite figure below (two cones)

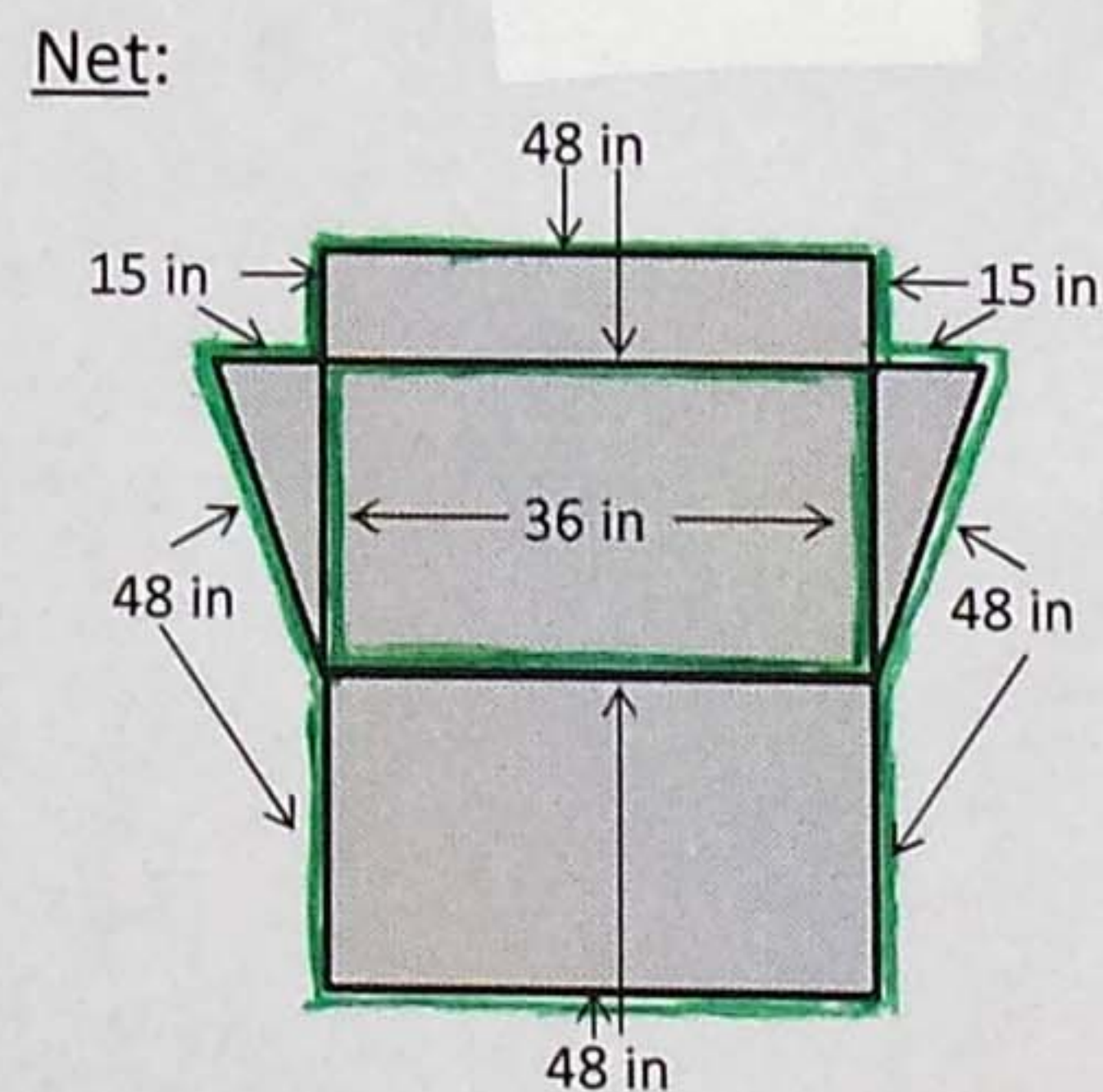
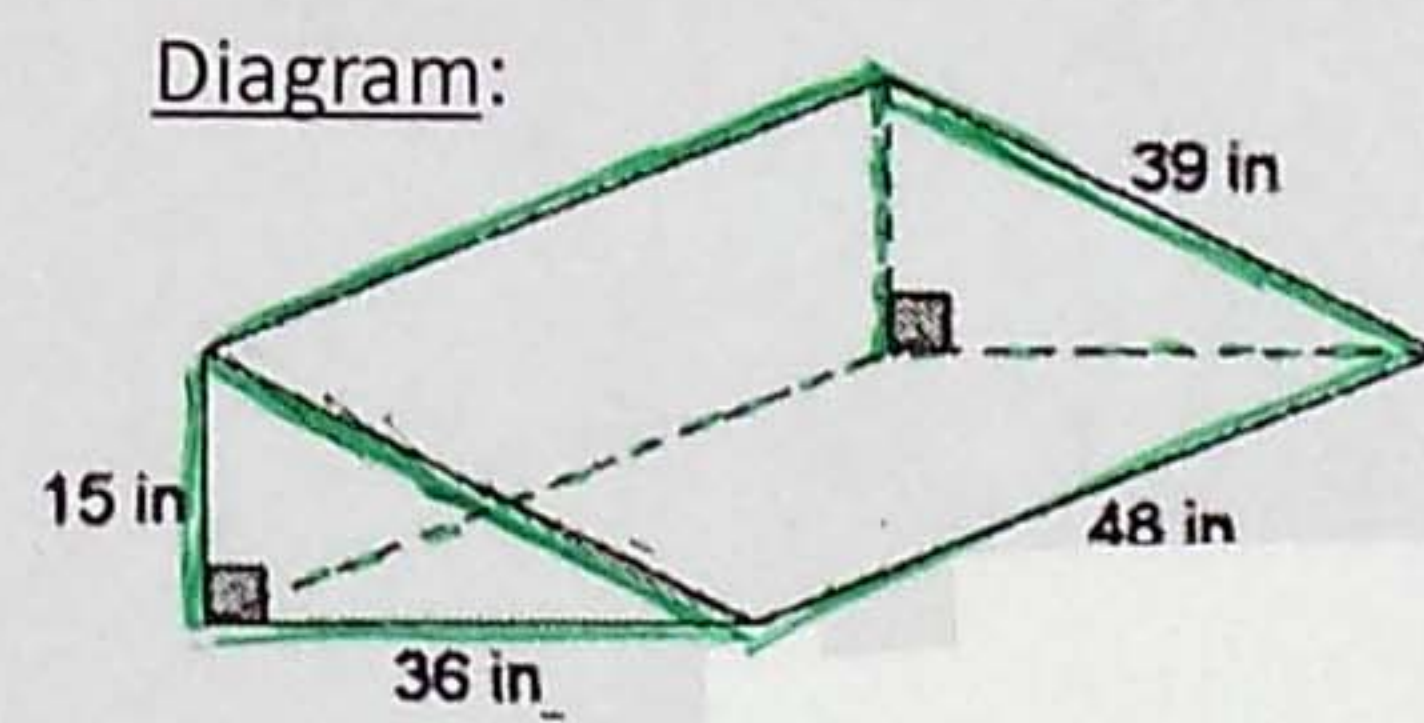


13. Find the lateral area and surface area of the regular triangular prism.
 (height = 4cm, slant height = 5cm, side length = 6cm, length of figure = 9cm)



14. Find the surface area of a hemisphere with great circle area 144mm.
 Draw a diagram with dimensions labeled, then calculate.

15. Find the surface area of a right triangular prism with base edge 36 in, height 15 in, slant height 39in, and length 48in. Draw a diagram and net with dimensions labeled, and then calculate.



YOU WILL HAVE TO DRAW THESE ON THE TEST.

****Note:** You will have a different shape on the test