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## Area and Volume: Extension Problems

Find the volume of the following figures:

1) Frustum (cone without a tip)

2) Triangular pyramid

3) Octahedron


Find the area:

5)

7)


Find the surface area: (sum of the areas of all faces)
8)

9)

11) Cylinder - there are two circles, plus a curved surface around the side. To think about how to find the area of the curved part, look at the diagram at the bottom. If you "unwrap" the curved part, it would make a rectangle. What would the length and width of this rectangle be?

(D) $\begin{gathered}\text { CARDROLLED } \\ \text { INTO CKINDER }\end{gathered}$

