

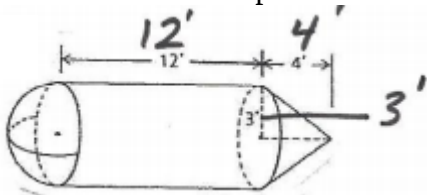
Name:

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HW #11-13: Test Review

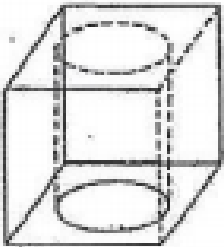
1. Find the volume of the torpedo.



2. Find the slant height of a regular square pyramid with base perimeter 32 ft and surface area 256 ft^2 .

3. Find the volume of a cylinder with surface area 150π and height 10.

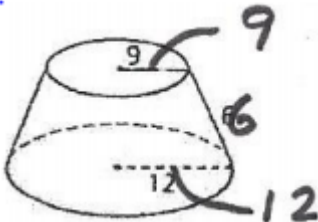
4. An ice cube manufacturer makes ice cubes with holes in them as shown. Each cube is 4 cm on a side and the hole is 2 cm in diameter.



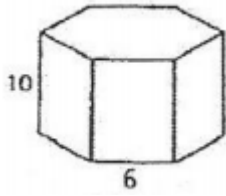
- a. What is the surface area of one ice cube?

- b. What is the volume of one ice cube?

5. Find the surface area and volume of the right frustum.



6. Find the volume and surface area of the regular hexagonal right prism.

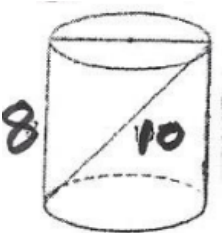


7. Graph $(5, 2, 4)$.

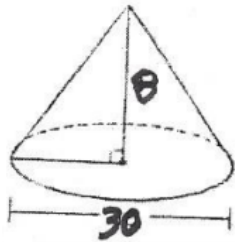


8. Find the midpoint of and distance between $(-6, 3, -2)$ and $(7, -5, 3)$.

9. Find the surface area of the right cylinder.



10. Find the surface area of the cone.



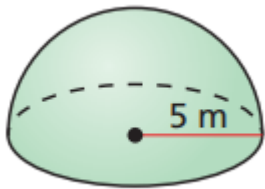
11. Find the surface area and volume of a tetrahedron with edge 4.

12. Find the surface area and volume of an octahedron with edge 8.

13. Find the volume of a square pyramid with slant height 17 and base edge 16

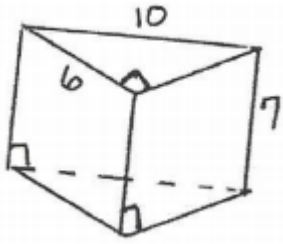
14. Find the volume of a cone with slant height 15 and diameter 18

15. Find the surface area of the hemisphere.

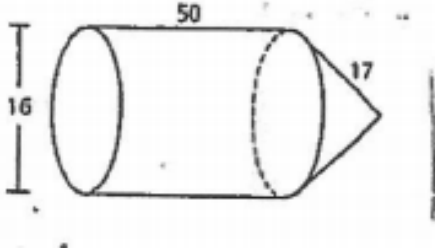


16. Find the volume of the sphere that has surface area 484π

17. Find the surface area of the figure.



18. Find the surface area and volume of the figure.



19. A cold capsule is 11 mm long and 3 mm in diameter as shown. Find the volume of medicine it contains.

