

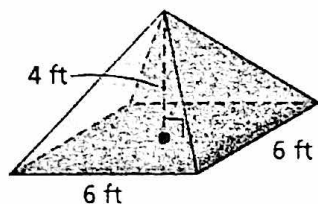
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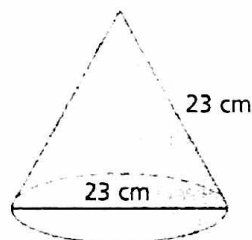
Period:

HW #11-8

1. Find the lateral area and the surface area of the (regular) square pyramid. Exact answer.

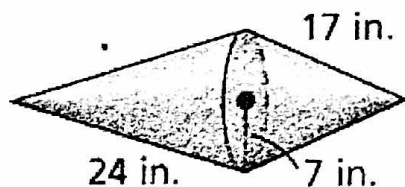


2. Find the lateral area and the surface area of the right cone. Exact answer.



3. Find the lateral area and the surface area of a right cone with radius 8 m and height is 1 m less than twice the radius. Exact answer.

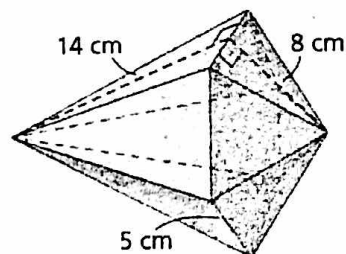
4. Find the surface area of the composite figure. Exact answer.



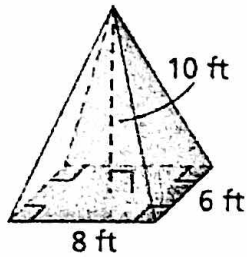
5. Find the surface area of the (regular) square pyramid with base area 36 cm^2 and slant height 5 cm. Exact answer.

6. Find the surface area of the right cone with base area $16\pi \text{ in}^2$ and slant height 7 in. Exact answer.

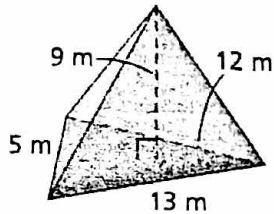
7. Find the surface area of the composite figure. Exact answer.



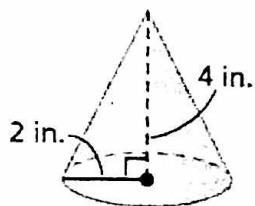
8. Find the volume of the pyramid. Exact answer.



9. Find the volume of the pyramid. Exact answer.

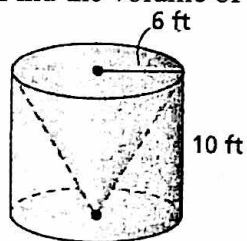


10. Find the volume of the cone. Exact answer.

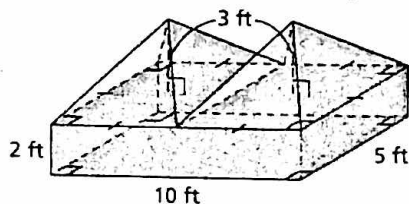


11. Find the volume of a cone with base area $36\pi \text{ ft}^2$ and height equal to two times the radius. Exact answer.

12. Find the volume of the composite figure. (cone is hollow inside the cylinder). Exact answer.



13. Find the volume of the composite figure. Exact answer.



14. Find the volume of the right cone with diameter 5 m and height 2 m. Round to two decimal places.

15. Find the volume of the right cone with diameter 24 cm and slant height 13 cm. Exact answer.