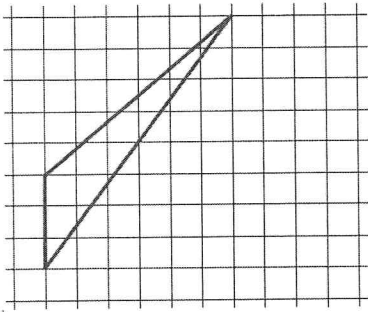


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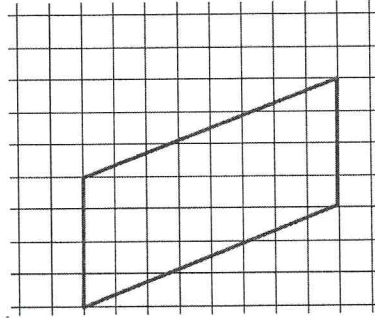
Given units with your answer if units are given in the problem.

Find the area of each. Round to the nearest hundredth unless noted otherwise.

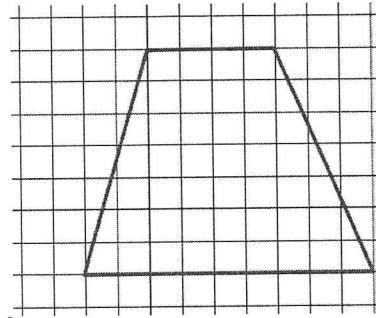
1.



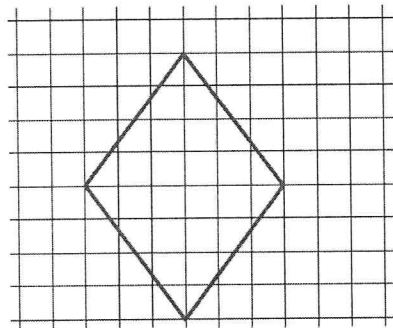
2.



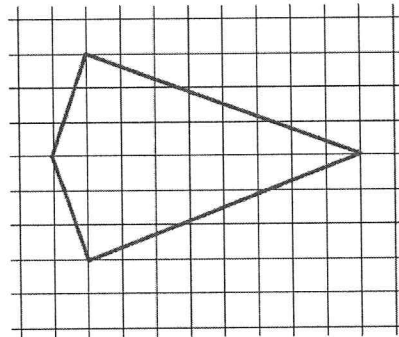
3.



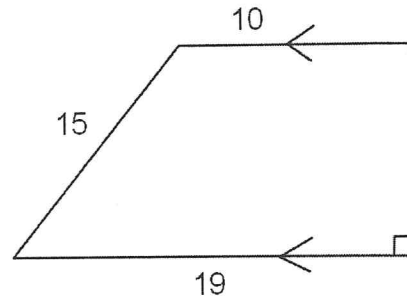
4.



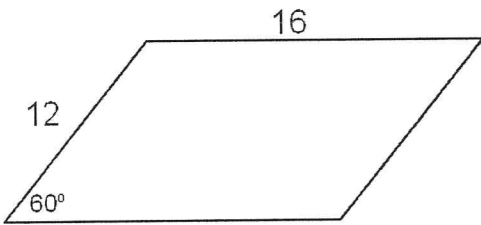
5.



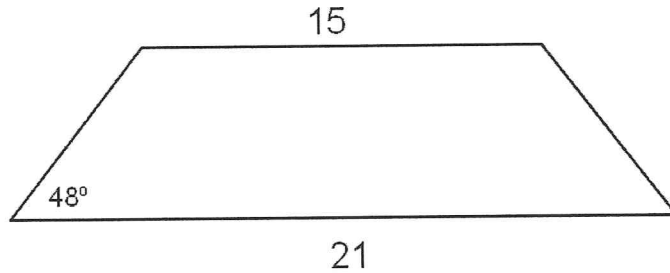
6. Trapezoid



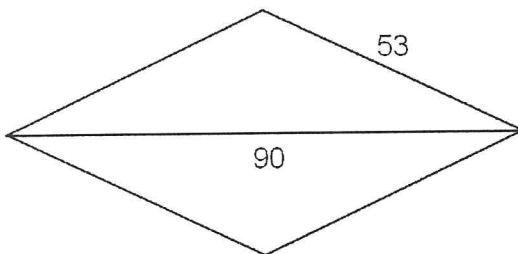
7. Find the EXACT area of this Parallelogram.



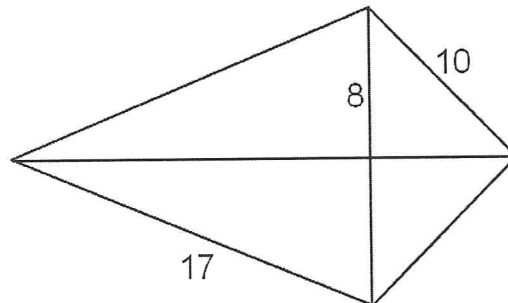
8. Find the area of this Isosceles Trapezoid.



9. Rhombus



10. Kite

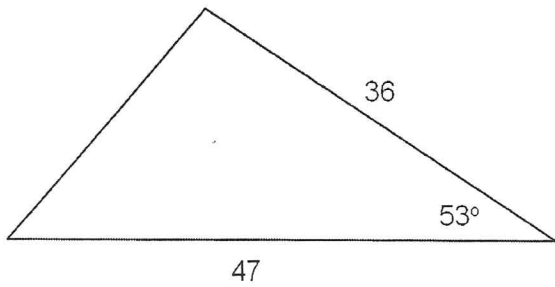


11. Find the EXACT area of a regular Hexagon with side length of 14 inches.

12. Find the area to the nearest tenth of a regular 15-gon with apothem of 8 cm.

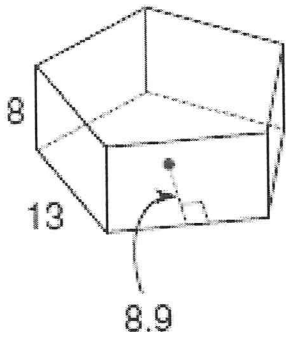
13. Find the area of a square to the nearest hundredth with radius of 20 ft.

14. Find the area of this triangle to the nearest tenth.

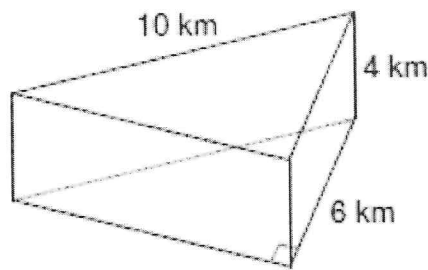


Find the Surface Area of each prism, cylinder, pyramid, cone, or sphere. Round to the nearest hundredth unless noted otherwise.

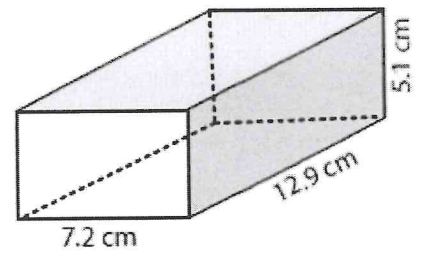
15. Pentagonal Prism



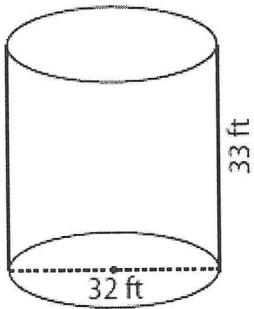
16. Right Triangular Prism



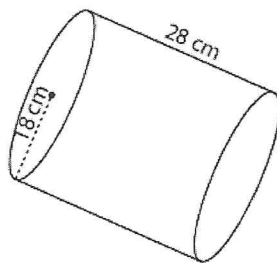
17. Rectangular Prism



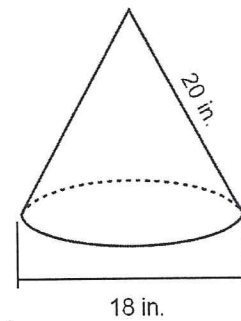
18. Give answer in terms of π



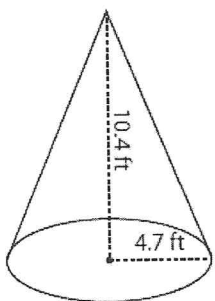
19. Give answer to the nearest tenth.



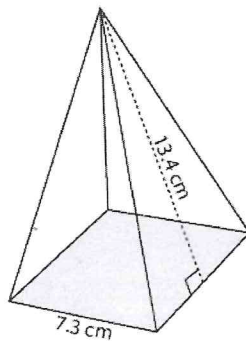
20. Give answer in terms of π



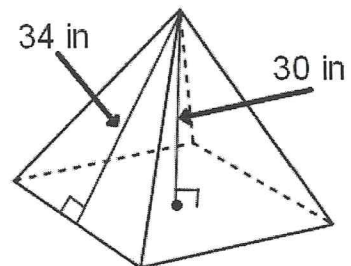
21. Give answer to the nearest tenth.



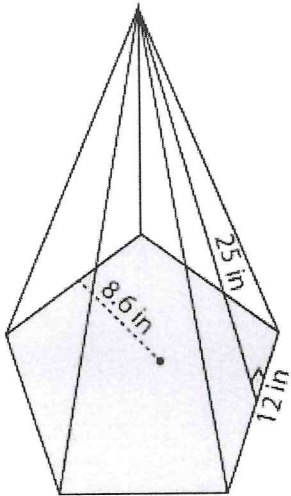
22. Square Pyramid



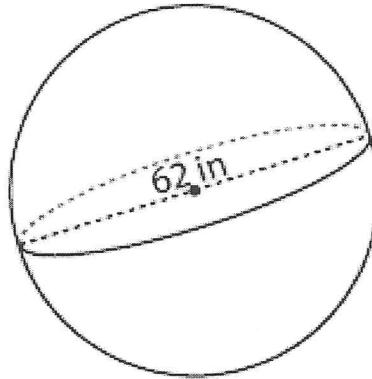
23. Square Pyramid



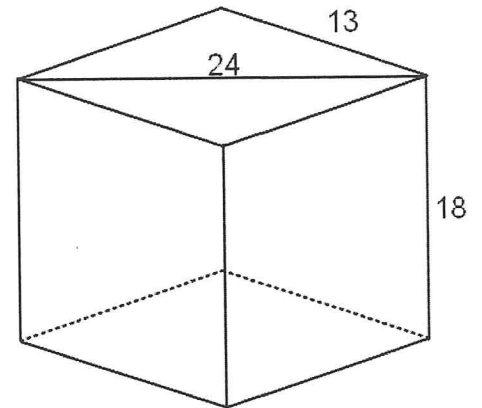
24. Pentagonal Pyramid



25. Give your answer in terms of π



26. Base is a Rhombus.

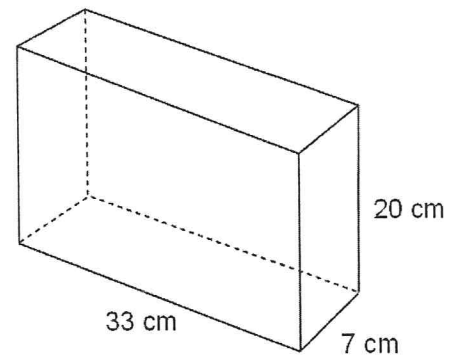
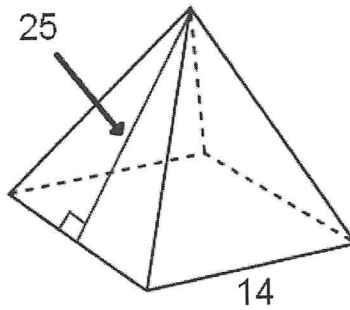
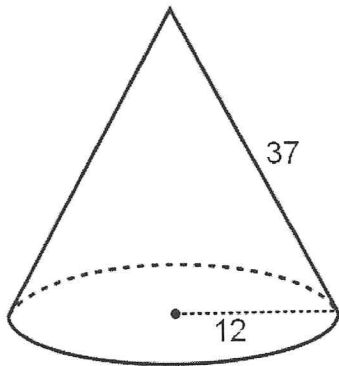


Find the Volume of each prism, cylinder, pyramid, cone, or sphere. Round to the nearest hundredth unless noted otherwise.

27. Give your answer in terms of π

28. Square Pyramid

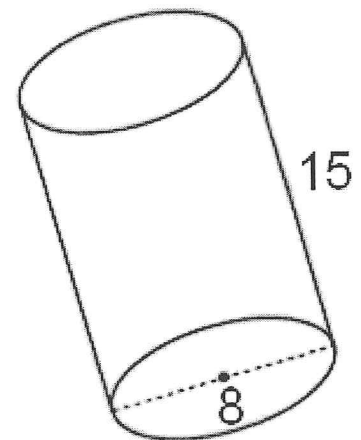
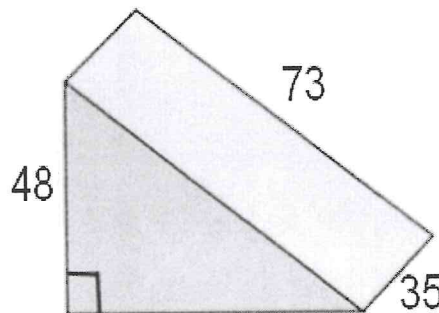
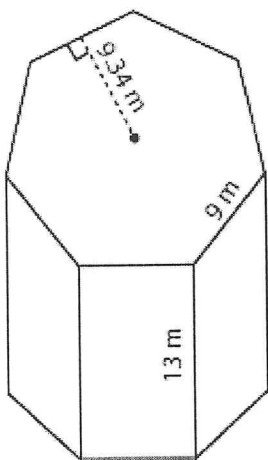
29. Rectangular Prism



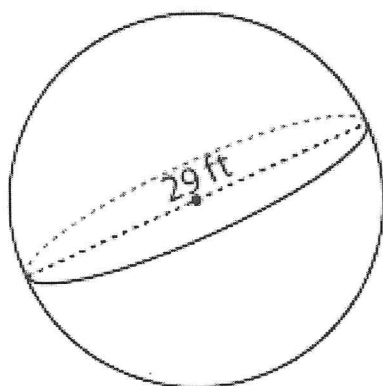
30. Regular Heptagonal Prism

31. Right Triangular Prism

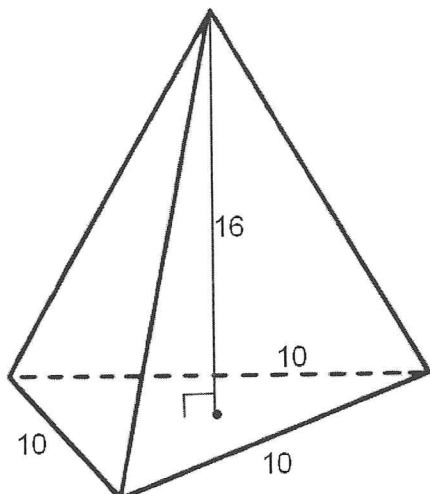
32. Given your answer in terms of π



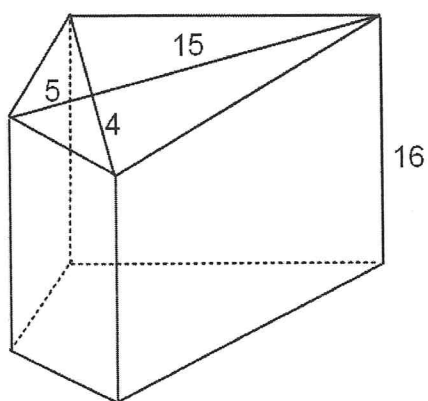
33. Give answer to the nearest tenth.



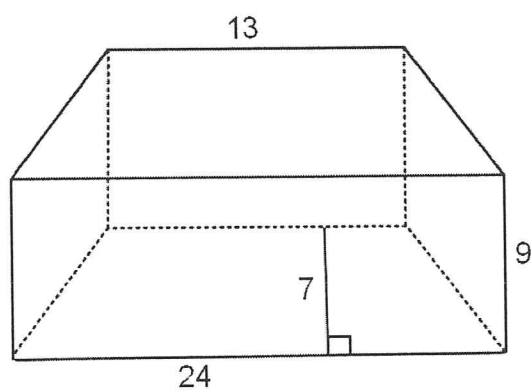
34. Base is an equilateral triangle.



35. Base is a Kite.



36. Trapezoidal Prism



Geometry Review **ANSWERS** Ch 10 & 11 Spring 2014

1. 9
2. 32
3. 45.5
4. 24
5. 27
6. 174
7. $96\sqrt{3}$
8. 59.94
9. 2520
10. 168
11. $294\sqrt{3} \text{ in}^2$
12. 204 cm^2
13. 799.76 ft^2
14. 676.8
15. 1098.50
16. 144 km^2
17. 390.78 cm^2
18. $1568\pi \text{ ft}^2$
19. 5202.5 cm^2
20. $261\pi \text{ in}^2$
21. 223.0 ft^2
22. 248.9 cm^2
23. 3200 in^2
24. 1008 in^2
25. $3844\pi \text{ in}^2$
26. 1176
27. 1680π
28. 1568
29. 4620 cm^3
30. 3824.73 m^3
31. 46,200
32. 240π
33. $12,770.1 \text{ ft}^3$
34. 230.93
35. 1280
36. 1165.5