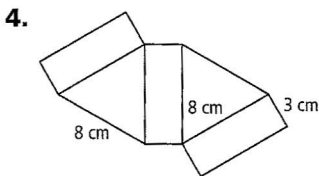
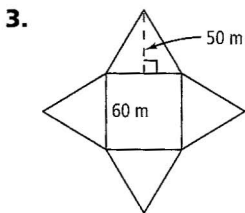
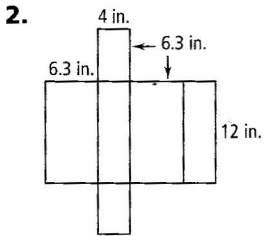
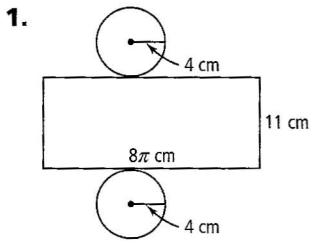


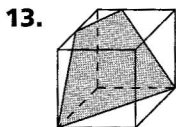
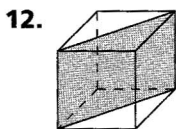
Mid-Chapter Quiz



5. 377 cm^2 6. 298 in.^2
 7. 9600 m^2 8. 75 ft^2

9–11. Check students' work.

9. 7 faces
 10. 12 vertices
 11. 10 vertices
 12–14. Answers may vary. Samples are given.



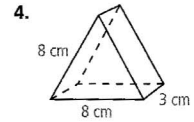
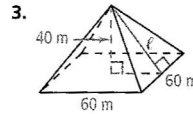
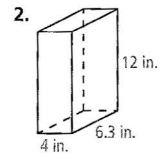
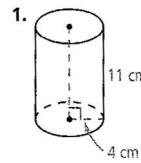
PowerGeometry.com

MathXL for School

Prepare students for the Mid-Chapter Quiz and Chapter Test with online practice and review.

Do you know HOW?

Draw a net for each figure. Label the net with its dimensions.



Find the surface area of each solid. Round to the nearest square unit.

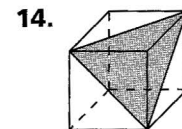
5. cylinder in Exercise 1 6. prism in Exercise 2
 7. pyramid in Exercise 3 8. cone in Exercise 4

For Exercises 9–11, use Euler's Formula. Show your work.

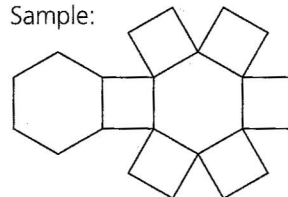
9. A polyhedron has 10 vertices and 15 edges. How many faces does it have?
 10. A polyhedron has 2 hexagonal faces and 12 triangular faces. How many vertices does it have?
 11. How many vertices does the net of a pentagonal pyramid have?

Draw a cube. Shade a cross section of the cube that forms each shape.

12. a rectangle 13. a trapezoid 14. a triangle
 15. A square prism with base edges 2 in. has surface area 32 in.^2 . What is its height?



15. 3 in.
 16. 62 cm^2 17. 188 in.^2
 18. 261 m^2 19. 141 cm^2
 20. Sample:



21. Answers may vary. Sample: Alike: Both have a polygon as a base. Different: A prism has two bases, a pyramid has only one base, and the lateral faces are rectangles for a prism and \cong isosc. \triangle for a pyramid.

Find

whole

16.

18.

Do y

20. C

21. C

22. A

23. E

24. V

22. $\pi : 1$

23. Answer

some e

net's

come

24. Answer

5 r.