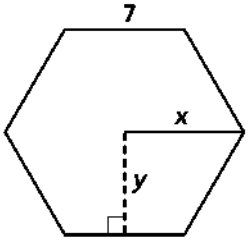
Name _____ Class _____ Date _____

Practice 10-3

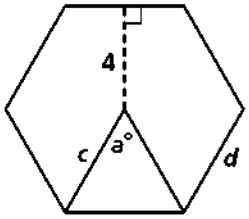
Areas of Regular Polygons

Find the values of the variables for each regular hexagon. Leave your answers in simplest radical form.

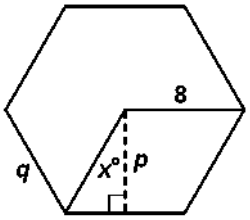
1.



2.

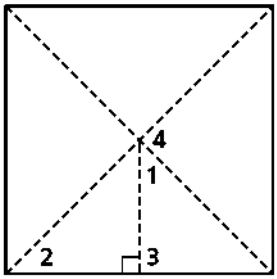


3.

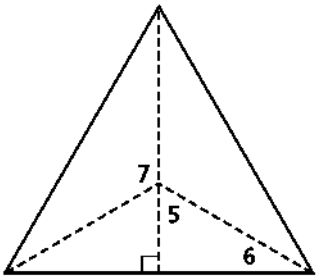


Each regular polygon has radii and an apothem as shown. Find the measure of each numbered angle.

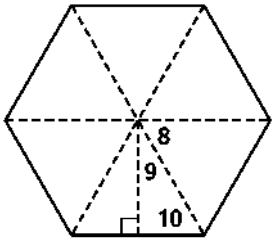
4.



5.

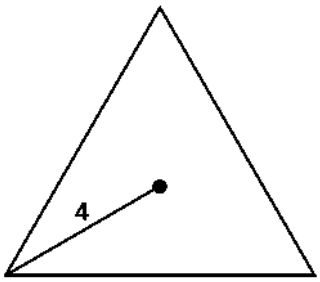


6.

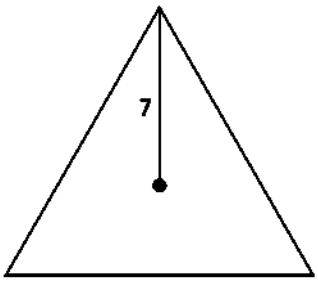


Find the area of each equilateral triangle, given the radius. Leave your answers in simplest radical form.

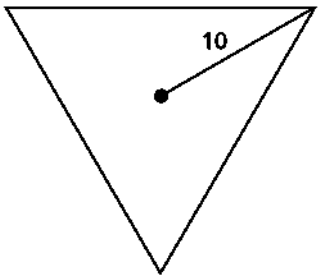
7.



8.

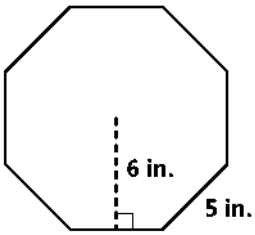


9.

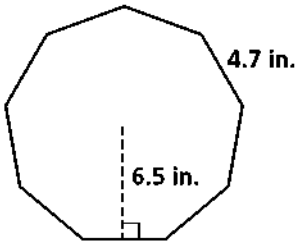


Find the area of each regular polygon to the nearest square inch.

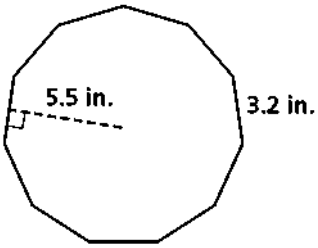
10.



11.



12.



© Pearson Education, Inc., publishing as Pearson Prentice Hall. All rights reserved.