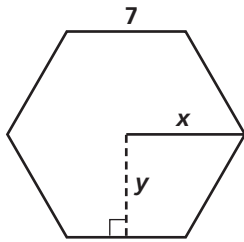


Practice 10-3

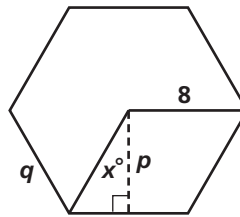
Areas of Regular Polygons

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

1. $x =$ _____, $y =$ _____

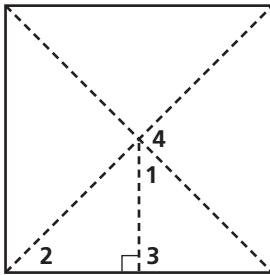


2. $x =$ _____, $p =$ _____, $q =$ _____

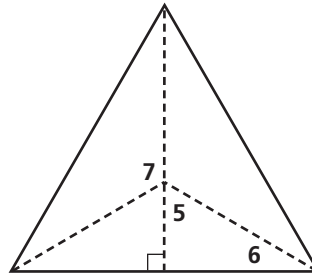


Each regular polygon has radii and an apothem as shown. Find the measure of each numbered angle.

3. $m\angle 1 =$ _____, $m\angle 2 =$ _____,
 $m\angle 3 =$ _____, $m\angle 4 =$ _____

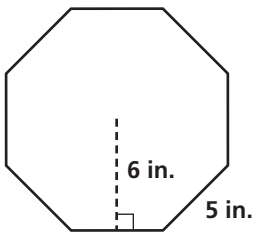


4. $m\angle 5 =$ _____, $m\angle 6 =$ _____,
 $m\angle 7 =$ _____

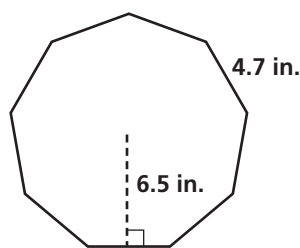


Find the area of each regular polygon to the nearest square inch.

5. _____



6. _____



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