Name Date

Enrichment and Extension

8.1

Changing Dimensions

Find the circumference of the circle. Then find the circumference if the radius is multiplied by 2. Use 3.14 for**

 1.  2.  3. 

 4. What happens to the circumference of a circle when its radius is multiplied by 2?

 5. What happens to the circumference of a circle when its radius is multiplied by a positive number *n*?

Find the perimeter of the semicircle. Then find the perimeter if the radius is multiplied by  Use 3.14 for**

 6.  7.  8. 

 9. What happens to the perimeter of a semicircle when its diameter is multiplied by ?

 10. What happens to the perimeter of a semicircle when its radius is multiplied by a positive number *n*?