

Geometry Second Semester Review

Name _____

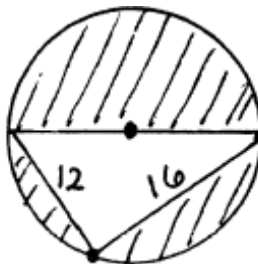
Chapter 11

#1-9: Give answers in simplest form. No decimals!

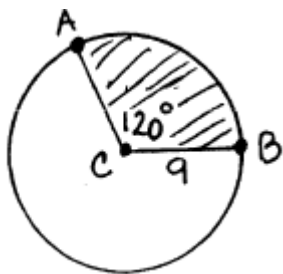
<p>1. The area of a square is 25 ft^2. Find the length of the diagonal.</p>	<p>2. Find the perimeter of a rhombus if its perimeter is 40 and one diagonal measures 16.</p>
<p>3. Find the area of a rectangle with length 10 and diagonal 12.</p>	<p>4. Find the area of an equilateral triangle with perimeter 24.</p>
<p>5. Find the apothem and area of a regular hexagon with radius 8.</p>	<p>6. The area of trapezoid is 108 cm^2. One base is 7 cm, and the height is 12 cm. Find the length of the second base.</p>

7. The circumference of a circle is 40π inches. Find the area of this circle.

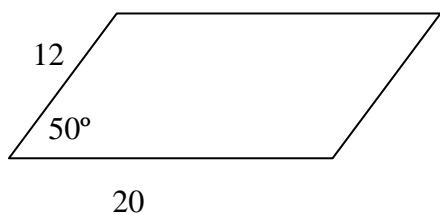
8. Find the area of the shaded region of the circle.



9. Find a) the length of arc AB and b) the area of the shaded sector.



10. Find the area of the parallelogram. Round the answer to the nearest tenth.



11. The ratio of the areas of two similar triangles is 36: 81. What is the ratio of corresponding bases?