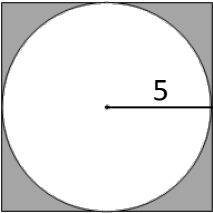
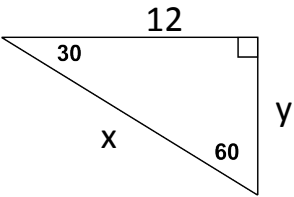


Algebra and Geometry Review 13

<p>1. The sum of two integers x and y is 363. If x is divided by 10, the quotient is y. What are the two integers?</p>	<p>2. Fill in the blank:</p> <p>A) If two lines are parallel to a third line, they are _____ to each other.</p> <p>B) If two lines are perpendicular to a third line, they are _____ to each other.</p>										
<p>3. Find the mean, median, and mode of this data set:</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tbody> <tr> <td style="padding: 5px;">7</td> <td style="padding: 5px;">12</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;">10</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;">9</td> <td style="padding: 5px;">1</td> <td style="padding: 5px;">7</td> </tr> </tbody> </table>	7	12	8	4	10	3	2	9	1	7	<p>4. Find the area of the shaded portion of the figure.</p> <div style="text-align: center; margin-top: 10px;">  </div>
7	12	8	4	10							
3	2	9	1	7							
<p>5. If $2x + 4y = 8$, what does $x + 2y = ?$</p>	<p>6. If a large cube is made up of 27 smaller cubes of equal size, what are the dimensions of the large cube?</p>										
<p>7. Simplify.</p> $\sqrt{54} - \sqrt{96}$	<p>8. Find the lengths of the missing sides.</p> <div style="text-align: center; margin-top: 10px;">  </div>										
<p>9. Multiply.</p> $(3x^2y^3)(2x^5y^2)$	<p>10. Two angles are complementary and exist in the ratio 1:4. How large is the larger angle?</p>										