Chapter 9 Mid-Chapter Practice Test (Lessons 9-1 through 9-5)			SCORE
Part I Write the letter for the corr	ect answer in the blank at	the right of each question.	
<ol> <li>Which equation corresponds to t         <ul> <li>A y = x<sup>2</sup> - 3</li> <li>B y = -(x - 3)<sup>2</sup></li> </ul> </li> <li>Find the coordinates of the verter</li> </ol>	<b>C</b> $y = x^2 + 3$ <b>D</b> $y = -(x + 3)^2$		1
$y = -x^2 - 4x - 6$ . Identify the ve or a minimum.			2
<b>3.</b> Solve $x^2 + 8x + 16 = 169$ by tak	ing the square root of each	side.	
			3
4. Which equation can be used to s $\mathbf{F} (b+6)^2 = 8$ $\mathbf{G} (b+6)^2$	solve $2b^2 + 24b + 56 = 0$ by $a^2 = 46$ <b>H</b> $(b + 3)^2 =$	completing the square? 11 $\mathbf{J} (b+3)^2 = 19$	4
<ul> <li>5. Which step is <i>not</i> performed in the process of solving r<sup>2</sup> + 6r + 3 = 0 by completing the square?</li> <li>A Add 3 from each side.</li> <li>B Divide 6 by 2, then square</li> <li>C Add 9 to each side.</li> <li>D Take the square root of each side.</li> </ul>			5
Part II			
Solve each equation. If integral ro consecutive integers between whic		nate the roots by stating the	
<b>6.</b> $x^2 - 7x + 10 = 0$			<i>,</i>
<b>7.</b> $x^2 + 3 = 7x$			6
For Questions 8 and 9, round to the	he nearest tenth if necessa	ary.	7
8. Solve $x^2 + 6x = 40$ by completing the square.			8
9. Solve $-2x^2 + 8x = 6$ by complet	ing the square.		
<b>10.</b> The base of a rectangle is 3 less inches. What are the dimensions		f the rectangle is 10 square	9
			10

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