

**BREAKDOWN OF PRECALCULUS BC PREAP/DUAL TEST 1-3****75 PTS CALCULATOR, 25 PTS CALCULATOR****Date: Wednesday, October 3****Review:** Page 344: 77-84 all (omit 85, 86), 87-92 all, 96

<b>Part IA: Non-Calculator Short Answer [53 pts]</b>	<b>Total Amount</b>	<b>Total Points</b>
§4.7: Inverse Trigonometric Functions	12 questions	36 points
<ul style="list-style-type: none"> <li>Solving Trigonometric Inverses by applying all necessary inverse functions</li> </ul>		
Examples: Page 344: 77-80 all, 78) 0, 80) $\frac{3\pi}{4}$		
§4.7A: Inverse Trigonometric Compositions	4 questions	16 points
<ul style="list-style-type: none"> <li>Creating triangles based on the given function. (4 questions – 5 pts each)</li> </ul>		
Examples: Page 344: 87-92 all, 88) 13/5, 90) $-\frac{5}{12}$ , 92) $\frac{1}{\sqrt{1-x^2}}$		
<b>Part IB: Non-Calculator Multiple Choice [22 pts]</b>	<b>Total Amount</b>	<b>Total Points</b>
§4.7: Inverse Trigonometric Functions	2 questions	6 points
§4.7A: Inverse Trigonometric Compositions	2 questions	6 points
§4.8: Simple Harmonic Motion	2 questions	6 points
Spiral Review	2 questions	4 points
<b>Part II: Calculator Short Answer [25 pts]</b>	<b>Total Amount</b>	<b>Total Points</b>
§4.3B: Calculator of Trigonometric Functions	2 questions	4 points
<ul style="list-style-type: none"> <li>Solving Trigonometric Functions in calculator including reciprocal functions</li> </ul>		
Examples: Page 344: 81-84 all, 82) $\approx 1.2408$ , 84) $\approx -0.5207$ ,		
§4.8: Simple Harmonic Motion	2 questions	16 points
<ul style="list-style-type: none"> <li>Using the information to write sinusoidal equations and application</li> </ul>		
Examples: Page 344: 96, 96) $y = \frac{3}{4} \cos\left(\frac{2\pi}{3} t\right)$		
Discussion Question	1 question	5 points