Unit 4 Part 1: Inverse Trig Functions (7.1-7.2)

Date	Idea	Practice
Thursday 10/30 Friday 10/31	1. Inverse Trig Functions ● Review of Inverses ● Sine Inverse ● Cosine Inverse ● Tangent Inverse	Inverse Trig Functions: Page 463 #15-26 (Do any 10) KEY
Monday 11/3	2. Composite Functions with Trig Inverse ● Values on the Unit Circle	Values on the Unit Circle: Page 469 #9-12 (4) KEY Page 470 #17,18,21,23,35 (4) KEY
Tuesday 11/4	3. Composite Functions with Trig Inverse ● Values not on the Unit Circle ● U-problems ● More Examples (watch as needed) 　○ U-Problems 　○ Composites not on the Unit Circle	Values not on the Unit Circle: Page 463 #39-54 (3) KEY Page 463 #55-58 (3) KEY U-Problems: Page 470 #57-66 (4) KEY
Wednesday 11/5	4. Checkpoint 1 on Composite Trig Inverse Functions	
Thursday 11/6	5. Solving Trig Equations ● Simple Trig Equations	Simple: Page 478 # 37-46 (4) KEY
Friday 11/7	6. Solving Trig Equations ● Trig Equations with *a* or *h*	With *a* or *h*: Page 478 #13-22 (4) KEY Solving with an h-value (3) KEY
Monday 11/10	7. Solving Trig Equations ● Solving Quadratic Trig Equations ● Solving Using Substitution ● More Examples Review of Factoring and Solving Quadratics Video	Factoring: Page 479 #59-62, 75, 76 (2) KEY Substitution: Page 479 #65,66,73,74,77,78 (4) KEY Review of Factoring Practice (Do as needed)
Tuesday 11/11	**NO SCHOOL**	
Wednesday 11/12	8. Checkpoint 2 on Solving Trig Equations	Review KEY
Thursday 11/13	9. Review KEY Review 2 +Solutions (The C versions of the checkpoints) (optional for "Old" Pete's class)	
Friday 11/14	**10. Assessment**	

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4 pt 1 Reassessment Extra Practice

Page 463: 18,24,26,44,48,52,56,58   KEY
Page 469: 10,12   KEY
Page 470: 16,20,22,26,28,33,60,66   KEY
Page 478: 16,24,26,28,30,34,44,46   KEY
Page 479: 66,71,75,76   KEY

Beginning	Progressing	Meeting	Advanced
● Find exact values of sine, cosine, and tangent inverse ● Understand the range restrictions for sine inverse ● Understand the range restrictions for cosine inverse	● Understand the range restrictions for tangent inverse ● Find the exact value of composite functions with a trigonometric function and its inverse with values on the unit circle ● Find the exact value of composite functions involving sine, cosine, and tangent inverse with values on the unit circle ● Find the exact value of composite functions involving sine, cosine, and tangent inverse *not*	● Solve quadratic trigonometric equations, finding all values and/or values from 0 to 2π ● Solve trigonometric equations with *a* and *k*, finding all values and/or values from 0 to 2π ● Find the exact value of composite functions involving sine, cosine, and tangent inverse with right triangle trigonometry	● Solve trigonometric equations with *b* or *h*, finding all values and/or values from 0 to 2π ● Find the exact value of composite functions involving sine, cosine, and tangent inverse involving *u*

	at regular angles on the unit circle ● Solve simple trigonometric equations		