

2nd Semester Final Review

Unit 3: Comparing Functions – Modeling and Transformations

1. Lines of Best Fit
 - A. Linear Equations
 - B. Quadratic Equations
 - C. Exponential Equations

Unit 4: Similarities

2. Congruence Statements
3. Proving triangle congruence by:
 - A. SSS
 - B. SAS
 - C. HL
 - D. ASA
 - E. AAS
4. Similarity Statements
5. Proving triangle similarity by:
 - A. SSS
 - B. AA
 - C. SAS

Unit 5: Right Triangles and Trigonometry

6. Six basic Trigonometric Functions:
 - A. Sin
 - B. Cos
 - C. Tan
 - D. Csc
 - E. Sec
 - F. Cot
7. Angles in Standard Position
8. Coterminal Angles
9. Reference Angles
10. The Hand Trick (All 6 of the functions in #6 above here)
11. Solving Triangles:
 - A. Right Triangles
 - B. Using Law of Sines
 - C. Using Law of Cosines

Unit 7: Circles

12. Common Tangents
13. Is a given line tangent to the circle at the given radius?
14. Tangent lines that meet at a common external point
15. Arc Measurements
16. Central Angles
17. Inscribed Angles
18. Circumscribed Quadrilaterals
19. Circumference and Arc Length
20. Area of a circle and sector
21. Graphing circles:
 - A. Standard form
 - B. Require completing the square