

Trigonometric Functions Unit Outline | Pre-Calc 12

| Lesson | Assignment |
|--|---|
| 1. Angular Measure - Degrees | p. 498 # All |
| 2. Angular Measure - Radians | p. 507 # All |
| 3. Trigonometric Ratios | p. 517 # All |
| 4. Determining Angles from Trig Ratios | p. 527 # 1-11, omit 5, 6, 9 |
| 5. Special Triangles, Exact Values & The Unit Circle | p. 538 # 2-4, 5, 8, 10, 11, 13, 14, 16 |
| 6. Graphing Primary Trig Functions | p. 545 # All |
| Transformations of Trig Functions Part 1 | p. 554 # 1-7 as you need, 8-16 All |
| 7. More Graphing | Worksheet |
| 8. Transformations of Trig Functions Part 2 | p. 564 # All |
| 9. Sinusoidal Functions | p. 570 # 3-7 |
| 10. Modelling Sinusoidal Functions | p. 577 # 1-3 |
| 11. Review | p. 583 # All |
| 12. Review | |
| 13. Test | |

*Whenever possible avoid the use of a calculator to increase your numeracy skills.

PLO's

A1. Demonstrate an understanding of angles in standard position, expressed in degrees and radians.

A2. Develop and apply the equation of the unit circle.

A3. Solve problems, using the six trigonometric ratios for angles, expressed in radians and degrees.

A4. Graph and analyze the trigonometric functions sine, cosine and tangent to solve problems.