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Trigonometry Homework

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§P.1: 1-10 all (true/false) and 9-88 every 5th problem.

§P.2: 1-10 all (true/false), 5-18 odd, 19-64 every 6th problem, and 65-69 all.

Read sections P.3 and P.4.

§P.3: 1-10 all (true/false), 3, 4, 5, 6, 9-24 every other problem, 25-38 all, 39-76 every 5th problem, and 77-84.

§P.4: 1-10 all (true/false), 7-76, every 6th problem. 78, 79, 81, 82

§1.1: 1-8 all (true/false), 4, 5, 6, 7, 11-54 every 4th problem, 55-62 all, 107-112 every 3rd problem.

§1.2: 1-10 all (true/false), 2, 5,6, 7-28 every 4th problem, 35-54 every 4th problem, 55-62 all, 63-74 every other problem, 75-82 all, 83-110 every 5th problem.

§1.3: 1-10 all (true/false), 1-4 all, 5-32 every 3rd problem, 33, 35, 36, 39, 42, 45, 47, 48

§1.4: 1, 3, 13-44 all, 45-86 every 5th problem, 87-93 all.

§1.5: 1-12 all, 13-20 every 4th problem, 21-28 all, 29-36 every 4th problem, 37-68 every 6th problem.

§1.6: 3-10 all, 11-22 every 5th problem, 23-42 every 3rd problem, 55-58 every 2nd problem, 61, 68

Quiz 1: January 15th on sections P1-P4. Expect three problems, one of which will be a word problem.

Quiz 2: January 22nd on sections 1.1-1.3. Expect three problems, two of which will involve a bit of algebra and one of which will be a word problem.

Quiz 3: January 29th on section 1.5 (and thus 1.4 too, but the focus will be 1.5 and the relationship between trig functions and triangles). Expect three problems. One will be a computation, one illustration, and one word problem.

Test 1: February 5th on sections P.1-1.6. We'll have about 40 minutes of class, and then a 35 minute test (recall the first test is half-length).

- The focus will be trigonometry.
- There will be lots of short problems and one word problem from section 1.5.
- A formula sheet will be provided (posted on Blackboard ahead of time so you know what you'll be given)
- Calculators will be allowed, but the majority of the test will require showing your work wherein the calculator will not help you.

§2.1: 1-10 all (true/false), 9-50 every 4th problem, 51-56 all, 57-78 every 4th problem, 83-100 all

§2.2: 1-10 all (true/false), 1, 3, 4, 5, 9-26 every 2nd problem, 27-30 all, 37, 38, 41-56 every 4th problem.

Quiz 4: February 17th on sections 2.1-2.2. Expect three problems: one graphing, one finding the equation for a graph, and one word problem.

§2.3: 1-10 all (true/false), 1,2, 3-30 every 5th problem, 31-52 every 3rd problem, 53-56 all, 57-68 every 4th problem.

Quiz 5: March 3rd on sections 2.2-2.3. Expect three problems: one graphing, one finding the equation for a graph, and one word problem. One of the problems will be about $\sin(x)$ or $\cos(x)$. The other problem will be $\sec(x)$ or $\csc(x)$.

§2.4: 5-18 every 2nd problem, 25-32 all, 33-54 every 3rd problem, 55-58 all, 59, 65, 71
§3.1: 1-10 all (true/false), 7-22 all, 23-50 every 4th problem, 61-72 every 2nd problem.

Test 2: March 17th on the material up to 3.1. This will be a full length test, with the focus on chapter 2.
- There will be lots of graphing problems (Including both making graphs and finding equations)
- There will be two word problems about graphs.
- There will be a couple review problems about trig functions.
- There will be one question on identities.
- There will be one algebra review question on adding fractions with different denominators.
- A formula sheet will be provided (posted on Blackboard ahead of time so you know what you'll be given)
- Calculators will not be allowed.

§3.2: 1-10 all (true/false), 1-10 all, 11-36 every 4th problem, 37-70 every 3rd problem. These are hard problems, space them out so that you're doing a few every day. We'll spend a week on this section.

Quiz 6: April 2nd. Expect one problem.
Quiz 7: April 7th. Expect one problem.

§3.3: 3-18 every 5th problem, 19-30 every 3rd problem, 31-64 every 5th problem, 65-80 every 3rd problem, 81-88 every 2nd problem.
§3.4: 1-8 every 4th problem, 9-16 all, 17-28 every 4th problem, 29-36 every 2nd problem, 37-44 all, 45-56 every 3rd problem.

§4.1: 5-36 every 3rd problem, 53-82 every 4th problem.
§4.2: 3-38 every 3rd problem.
§4.4: 1, 2, 3, 5, 6, 7, 9, 10, 37, 38, 40, 43, 44, 45, 46.

Test 3: April 21st on all material up to 4.4. This will be a full length test, with the main focus on chapter 3 and a little bit from chapter 4.
- There will a one question on simplifying trigonometric expressions.
- There will be two review questions on simplifying rational expressions like compound fractions. (e.g. (1/2)/(3/4)).
- There will be three verifying identity problems.
- There will be two review questions that ask you to find the value of a trigonometric expression that uses standard angles.
- There will be several questions that ask you to find the value of a trigonometric expression that uses nonstandard angles (these will require the use of a formula).
- There will be one question asking you to evaluate an inverse trigonometric function.
- There will be one question asking you to solve a linear trigonometric equation.
- There will be one question asking you to solve a quadratic trigonometric equation.
- Some of the above might be removed if the test looks like it will be too long.