Name	Date	Period

USA TEST PREP MATH I EOCT PREPARATION ASSIGNMENTS

Directions: Math I (EOCT) will be given on May 16, 2012 and will count for 20% of your semester grade. In order to prepare for this exam you are to complete the following assignments at home or in the Media Center. Each assignment must be completed no later than 4:00 PM on the due date listed below.

1st Time Login information for USA Test Prep at www.usatestprep.com: Username: woodlandhsga Student Password: newton80

- 1. Access USA Test Prep Member Login information for USA Test Prep:

 www.usatestprep.com If this is your first time logging in, use the information above to create a member login. If not, login using your personal username and password.
- 2. Click on 'Take a Benchmark Test.' It is highlighted in green on the first page.
- 3. Type in TEST CODE listed below
- 4. Choose your teacher & class period
- 5. Click on 'load test'
- 6. When you finish the test, click on 'Grade My Test Now.'
- 7. Retake missed questions
- 8. Write down your score
- 9. Practice as much as you want... the description on USATestPrep is given.

USA Test Prep – Topic / Benchmark Code	Due Date	Standards and USATestPrep Description		
Algebra: Explore		Test:	GPS Mathematics 1	
Functions		Domain:	Algebra - Explore Functions	
25 problems (DAXEREMEHO)	Tuesday, March 20	relate to a given context MM1A1e function notation MM1A1a recognize sequences MM1A1f function symmetry MM1A1h graph transformations MM1A1c f(x)=g(x) MM1A1i characteristics of a function MM1A1d graph basic functions MM1A1b explore rates of change MM1A1g		
Algebra: Simplify		Test:	GPS Mathematics 1	
Expressions 20 problems		Domain:	Algebra - Simplify Expressions	
(MUHUWOMUBE)	Friday, March 23	Elements:	expressions with square roots MM1A2a polynomials MM1A2c factoring MM1A2f rational expressions MM1A2e operations with square roots MM1A2b area and volume models MM1A2g Binomial Theorem MM1A2d	

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	Test:	GPS Mathematics 1
	Domain:	Algebra - Solve Equations
Tuesday, March 27	Elements:	solve quadratics MM1A3a simple rational equations MM1A3d solve quadratics various techniques MM1A3c radical equations MM1A3b
	Test:	GPS Mathematics 1
Tuesday, March 27	Domain:	Data Analysis and Probability - Mean Deviation
	Element:	mean absolute deviation MM1D4
	Test:	GPS Mathematics 1
Friday March 30	Domain:	Geometry - Understand Language
Filday, March 30	Elements:	Reasoning MM1G2a conditional statements MM1G2b
	Test:	GPS Mathematics 1
	Domain:	Geometry - Properties of Polygons
Friday, March 30	Elements:	triangle inequalities MM1G3b special quadrilaterals MM1G3d concurrency in triangles MM1G3e triangle congruence MM1G3c angles in polygons MM1G3a
	Test:	GPS Mathematics 1
Wednesday,	Domain:	Data Analysis and Probability - Outcomes
April 11	Elements:	permutations and combinations MM1D1b counting principles MM1D1a
	Test:	GPS Mathematics 1
	Domain:	Data Analysis and Probability - Probability
Friday, April 13	Elements:	conditional probability MM1D2c probability - dependent events MM1D2b expected value MM1D2d probability - mutually exclusive MM1D2a
	Tuesday, March 27 Friday, March 30 Friday, March 30 Wednesday, April 11	Tuesday, March 27 Tuesday, March 27 Tuesday, March 27 Friday, March 30 Test: Domain: Elements: Test: Domain: Elements: Test: Domain: Elements: Test: Domain: Elements: Test: Domain: Elements:

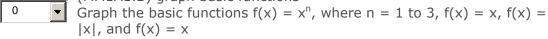
Name	Date	Period	

Data Analysis and Probability - Relate Samples 10 questions (GECAMODUGU)	Wednesday, April 18	Test: Domain: Elements:	GPS Mathematics 1 Data Analysis and Probability - Relate Samples large samples MM1D3b random samples MM1D3c summary statistics MM1D3a
Geometry: Investigate Geometric Figures 10 questions (KUJUHEREYU)	Friday, April 20	Test: Domain: Elements:	GPS Mathematics 1 Geometry - Investigate Geometric Figures distance - point to line MM1G1b Pythagorean theorem MM1G1d coordinate geometry MM1G1e distance formula MM1G1a midpoint formula MM1G1c

Domain: - Algebra - Explore Functions

0	(MM1A1.A) function notation
L	Represent functions using function notation.

(MM1A1.B) graph basic functions



(MM1A1.C) graph transformations

Graph transformations of basic functions including vertical shifts, stretches, and shrinks, as well as reflections across the x- and y-axes.

(MM1A1.D) characteristics of a function

Investigate and explain the characteristics of a function: domain, range, zeros, intercepts, intervals of increase and decrease, maximum and minimum values, and end behavior.

(MM1A1.E) relate to a given context

Relate to a given context the characteristics of a function, and use graphs and tables to investigate its behavior.

(MM1A1.F) recognize sequences

Recognize sequences as functions with domains that are whole numbers.

(MM1A1.G) explore rates of change

Explore rates of change, comparing constant rates of change (i.e., slope)versus variable rates of change. Compare rates of change of linear, quadratic, square root, and other function families.

(MM1A1.H) function symmetry

Determine graphically and algebraically whether a function has symmetry and whether it is even, odd, or neither.

(MM1A1.I) f(x)=g(x)

Understand that any equation in x can be interpreted as the equation f(x) = g(x), and interpret the solutions of the equation as the x-value(s) of the intersection point(s) of the graphs of y = f(x) and y = g(x).

Name	Date Period	
Domain -	Algebra - Simplify Expressions	
0	(MM1A2.A) expressions with square roots	
	Simplify algebraic and numeric expressions involving square root. (MM1A2.B) operations with square roots	
0	Perform operations with square roots.	
0	(MM1A2.C) polynomials Add, subtract, multiply, and divide polynomials.	
0	(MM1A2.D) Binomial Theorem	
	Expand binomials using the Binomial Theorem. (MM1A2.E) rational expressions	
0	Add, subtract, multiply, and divide rational expressions.	
0	(MM1A2.F) factoring Factor expressions by greatest common factor, grouping, trial and e and special products limited to the formulas below.	error,
0	(MM1A2.G) area and volume models Use area and volume models for polynomial arithmetic.	
Domain -	- Algebra - Solve Equations	
0	(MM1A3.A) solve quadratics Solve quadratic equations in the form $ax^2 + bx + c = 0$, where $a = using$ factorization and finding square roots where applicable.	1, by
0	(MM1A3.B) radical equations Solve equations involving radicals such as $x + b = c$, using algebraic techniques.	С
0	(MM1A3.C) solve quadratics with various techniques Use a variety of techniques, including technology, tables, a graphs to solve equations resulting from the investigation $x^2 + bx + c = 0$.	
	(MM1A3.D) simple rational equations Solve simple rational equations that result in linear equation or quadratic equations with leading coefficient of 1.	ons
Domain -		
0	(MM1G1.A) distance formula Determine the distance between two points.	
0	(MM1G1.B) distance - point to line Determine the distance between a point and a line.	
0	(MM1C1 C) midpoint formula	
0	(MM1G1.D) Pythagorean theorem	an
0	(MM1G1.E) coordinate geometry Use the coordinate plane to investigate properties of and verify conjecture related to triangles and quadrilaterals.	
Domain -		
0	(MM1G2.A) reasoning Use conjecture, inductive reasoning, deductive reasoning, counterexamples, and indirect proof as appropriate.	

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0	(MM1G2.B) conditional statements Understand and use the relationships among converse, inverse, and contrapositive.	g a statement and its
Domain -	Geometry - Properties of Polygons	
0	(MM1G3.A) angles in polygons Determine the sum of interior and exterior a	ingles in a polygon.
0	(MM1G3.B) triangle inequalities Understand and use the triangle inequality, and the exterior-angle inequality.	the side-angle inequality,
0	(MM1G3.C) triangle congruence Understand and use congruence postulates (SSS, SAS, ASA, AAS, HL).	and theorems for triangles
0	(MM1G3.D) special quadrilaterals Understand, use, and prove properties of an special quadrilaterals: parallelogram, rectan trapezoid, and kite.	
0	(MM1G3.E) concurrency in triangles Find and use points of concurrency in triang circumcenter, and centroid.	les: incenter, orthocenter,
Domain -	Data Analysis and Probability - Outcom	es
0	(MM1D1.A) counting principles Apply the addition and multiplication princip	les of counting.
0	(MM1D1.B) permutations and combinations Calculate and use simple permutations and	combinations.
Domain -		lity
0	(MM1D2.A) probability - mutually exclusive Find the probabilities of mutually exclusive e	events.
0	(MM1D2.B) probability - dependent events Find the probabilities of dependent events.	
0	(MM1D2.C) conditional probability Calculate conditional probabilities.	
0	(MM1D2.D) expected value Use expected value to predict outcomes.	
Domain -	Data Analysis and Probability - Relate S	amples
0	(MM1D3.A) summary statistics Compare summary statistics (mean, median range) from one sample data distribution to distribution in describing center and variabil	another sample data
0	(MM1D3.B) large samples Compare the averages of the summary stati samples to the corresponding population pa	
0	(MM1D3.C) random samples Understand that a random sample is used to selecting a representative sample.	improve the chance of
- Domain	Data Analysis and Probability - Mean De	eviation
0	(MM1D4) mean absolute deviation Determine the mean absolute deviation (the values of the deviations).	average of the absolute

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