

Mathematics — Self Review of Courses

Name: _____ Student ID: _____

Please list the Mathematics Level CSET subtests you have passed (Subtests 1-3): _____

The domains corresponding to the CSETS which have already been passed will not be evaluated.)

<u>Domains</u>	<u>Description</u>	<u>Courses that Meet the Domain</u>
Subject matter (CSET Subtest #)	Domains of subject matter requirement.	<ul style="list-style-type: none"> • Course Name (e.g. ENG 412) • College/University • For non CSUDH courses include link to catalog page from the catalog that matches the year you took the course. • If you can't link the exact page, link to the whole catalog and cut and paste course descriptions at the end of this worksheet.
Domain 1. Number and Quantity: (CSET Subtest 1)	Candidates demonstrate an understanding of number theory and a command of number sense as outlined in California Common Core Content Standards for Mathematics (Grade 6, Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of number systems and its underlying structures. They prove and use properties of natural numbers. They formulate conjectures about the natural numbers using inductive reasoning and verify conjectures with proofs. (CSET Subtest 1)	
Domain 2. Algebra: (CSET Subtest 1)	Candidates demonstrate an understanding of the foundations of algebra as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of algebra and its underlying structures. They are skilled at symbolic reasoning and use algebraic skills and concepts to model a variety of problem-solving situations. They understand the power of mathematical abstraction and symbolism. (CSET Subtest 1)	

<p>Domain 3. Geometry:</p> <p>(CSET Subtest 2)</p>	<p>Candidates demonstrate an understanding of the foundations of geometry as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of geometry and its underlying structures. They demonstrate an understanding of axiomatic systems and different forms of logical arguments. Candidates understand, apply, and prove theorems relating to a variety of topics in two- and three-dimensional geometry, including coordinate, synthetic, non-Euclidean, and transformational geometry. (CSET Subtest 2)</p>	
<p>Domain 4. Probability and Statistics:</p> <p>(CSET Subtest 2)</p>	<p>Candidates demonstrate an understanding of statistics and probability distributions as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of probability and statistics and their underlying structures. They solve problems and make inferences using statistics and probability distributions. (CSET Subtest 2)</p>	
<p>Domain 5. Calculus:</p> <p>(CSET Subtest 3)</p>	<p>Candidates demonstrate an understanding of trigonometry and calculus as outlined in the California Common Core Content Standards for Mathematics (High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of trigonometry and calculus and their underlying structures. They apply the concepts of trigonometry and calculus to solving problems in real-world situations. (CSET Subtest 3)</p>	

Course Descriptions: Please provide a course description for each of the classes. For non-CSUDH courses, please include the link to catalog page from the catalog that matches the year you took the course. If you can't link the exact page, link to the whole catalog and cut and paste course descriptions at the end of this worksheet.

