



**CORRELATION  
SUNSHINE STATE STANDARDS**

**SUBJECT: Geometry**

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**SUBMISSION TITLE: Geometry © 2004**

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**PUBLISHER: Glencoe/McGraw-Hill**

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**GRADE: Grades 9 to 12 and Adult**

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**STRAND:** \_\_\_\_\_

**STANDARD 1. Demonstrate an understanding of the terminology and fundamental properties of geometry.**

<b>BENCHMARK</b>	<b>PAGES(S) OR LOCATIONS(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.C.2.4.1 understand geometric concepts such as perpendicularity, parallelism, tangency, congruency, similarity, reflections, symmetry, and transformations including flips, slides, turns, enlargements, rotations, and fractals.	SE: 40, 126, 133–134, 159–164, 298–300, 411–414, 463–465, 470–471, 476–478, 491, 499, 500, 506–507, 707, 708  TWE: 40, 126, 133–134, 159–164, 298–300, 411–414, 463–465, 470–471, 476–478, 491, 499, 500, 506–507, 707, 708	<b>I</b>
MA.C.2.4.2 analyze and apply geometric relationships involving planar cross-sections (the intersection of a plane and a three dimensional figure).	SE: 639, 640, 641, 648  TWE: 639, 640, 641, 648	<b>I</b>

**STANDARD 2. Demonstrate an understanding of deductive and inductive reasoning.**

<b>BENCHMARK</b>	<b>PAGES(S) OR LOCATIONS(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.C.1.4.1 use properties and relationships of geometric shapes to construct formal and informal proofs.	<p>This objective is addressed throughout the text. See, for example:</p> <p>SE: 90–93, 95–98, 108, 153–156, 221, 242–244, 267, 268, 270–273, 307, 317, 414–415, 435, 442, 528, 536, 548, 573</p> <p>TWE: 90–93, 95–98, 108, 153–156, 221, 242–244, 267, 268, 270–273, 307, 317, 414–415, 435, 442, 528, 536, 548, 573</p>	<b>I</b>

**STANDARD 3. Demonstrate the ability to solve real–world problems by using geometric models and/or applying geometric properties.**

<b>BENCHMARK</b>	<b>PAGES(S) OR LOCATIONS(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.A.3.4.3 add, subtract, multiply, and divide real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.	<p>This objective is addressed throughout the text. See, for example:</p> <p>SE: 5, 23, 36, 87, 131, 143, 213, 232, 331, 372, 398–399, 423, 445, 517, 574, 589, 616, 633, 664, 713</p> <p>TWE: 5, 23, 36, 87, 131, 143, 213, 232, 331, 372, 398–399, 423, 445, 517, 574, 589, 616, 633, 664, 713</p>	<b>I</b>
MA.A.4.4.1 use estimation strategies in complex situations to predict results and to check the reasonableness of results.	<p>SE: 18, 212, 305, 527, 534, 541, 557, 653, 658, 669, 693, 712</p> <p>TWE: 18, 212, 305, 527, 534, 541, 557, 653, 658, 669, 693, 712</p>	<b>I</b>
MA.B.1.4.1 use concrete and graphic models to derive formulas for finding perimeter, area, surface area, circumference, and volume of two– and three–dimensional shapes, including rectangular solids, cylinders, cones, and pyramids.	<p>SE: 46, 596, 602–603, 610, 612, 623, 650, 655–656, 661, 667, 673</p> <p>TWE: 46, 596, 602–603, 610, 612, 623, 650, 655–656, 661, 667, 673</p>	

BENCHMARK	PAGES(S) OR LOCATIONS(S) WHERE TAUGHT	I/M*
MA.B.1.4.2 use concrete and graphic models to derive formulas for finding <i>rate</i> , distance, <i>time</i> , angle measures, and arc lengths.	SE: 21, 529, 532, 715 TWE: 21, 529, 532, 715	I
MA.B.1.4.3 relate the concepts of measurement to similarity and proportionality in real–world situations.	SE: 298–300, 707, 708 TWE: 298–300, 707, 708	I
MA.B.2.4.1 select and use direct (measured) and indirect (not measured) methods of measurement as appropriate.	SE: 13–14, 19, 29, 47, 300, 372, 379, 523, 530, 604–608, 645–673, 689–703, 730–731 TWE: 13–14, 19, 29, 47, 300, 372, 379, 523, 530, 604–608, 645–673, 689–703, 730–731	I
MA.B.3.4.1 solve real–world and mathematical problems involving estimates of measurements, including length, <i>time</i> , <i>weight/mass</i> , <i>temperature</i> , <i>money</i> , perimeter, area, and volume and estimate the effects of measurement errors on calculations.	SE: 14, 18, 19, 212, 305, 527, 534, 541, 557, 653, 658, 669, 693, 712 TWE: 14, 18, 19, 212, 305, 527, 534, 541, 557, 653, 658, 669, 693, 712	I
MA.C.3.4.1 represent and apply geometric properties and relationships to solve real–world and mathematical problems including ratio, proportion, and properties of right triangle trigonometry.	SE: 178, 350, 364–366, 367–370, 377–379, 385–387, 391 TWE: 178, 350, 364–366, 367–370, 377–379, 385–387, 391	I

**STANDARD 4. Demonstrate an understanding of transformational and coordinate geometry.**

BENCHMARK	PAGES(S) OR LOCATIONS(S) WHERE TAUGHT	I/M*
MA.C.2.4.1 understand geometric concepts such as perpendicularity, parallelism, tangency, congruency, similarity, reflections, symmetry, and transformations including flips, slides, turns, enlargements, rotations, and fractals.	SE: 40, 126, 133–134, 159–164, 298–300, 411–414, 463–465, 470–471, 476–478, 491, 499, 500, 506–507, 707, 708 TWE: 40, 126, 133–134, 159–164, 298–300, 411–414, 463–465, 470–471, 476–478, 491, 499, 500, 506–507, 707, 708	I

<b>BENCHMARK</b>	<b>PAGES(S) OR LOCATIONS(S) WHERE TAUGHT</b>	<b>I/M*</b>
MA.C.3.4.2 using a rectangular coordinate system (graph), apply and algebraically verify properties of two- <i>and three</i> -dimensional figures, including distance, midpoint, slope, parallelism, and perpendicularity.	SE: 21, 22, 40, 139–141, 145, 159–161, 420, 597, 715 TWE: 21, 22, 40, 139–141, 145, 159–161, 420, 597, 715	<b>I</b>

\*Indepth/Mentioned