

**Links to *Instructional Movies* that Help Students Review
99 Key Math Concepts for College Readiness Testing**

Part II: Measurement

Lines and Angles

2 7	Intersecting Lines Congruent Angles	Two lines intersect. What is the measure of the two adjacent angles? What angles are equal or congruent?
2 8	Parallel Lines and Transversals	Draw a picture of a transversal across parallel lines. Indicate which angles are equal.

Triangles

2 9	Interior Angles of a Triangle Sum of Interior Angles: Triangle Part 1 Sum of Interior Angles: Triangle Part 2	What is the sum of the three angles of any triangle?
3 0	Exterior Angles of a Triangle	Find the measure of the exterior angle of a triangle if the remote angles are 60 degrees and 30 degrees.
3 1	Similar Triangles Similar Figures: Explanation Similar Figures: Ratio Similar Figures: Illustrated	Given two similar triangles, the angles are _____ and the corresponding sides are _____.
3 2	Area of a Triangle Formula: Area of a Triangle	Find the area of a triangle with a base of 7 inches and a height of 10 inches.

3 3	<p>Pythagorean Theorem</p> <p>Pythagorean Theorem: Intro</p> <p>Pythagorean Theorem Defined</p> <p>Pythagorean Theorem Examples</p> <p>Pythagorean Theorem Illustrated</p> <p>Pythagorean Triples</p> <p>Pythagorean Theorem Computation</p> <p>Pythagorean Theorem: Equations</p> <p>Pythagorean Baseball Problem</p> <p>Pythagorean GPS Problem</p> <p>Pythagorean Ladder Problem</p> <p>Pythagorean TV Problem</p>	Write the formula you use to find the hypotenuse of a right triangle.
3 4	<p>Special Right Triangles</p> <p>Isosceles Right Triangle: Practice</p> <p>Measuring Isosceles Right Triangle: Part 1</p> <p>Measuring Isosceles Right Triangle: Part 2</p> <p>30 - 60 - 90 Triangle: Part 1</p> <p>30 - 60 - 90 Triangle: Part 2</p>	What are the lengths of the sides of a 45 degrees-45 degrees right triangle? What are the lengths of the sides of a 30 degrees-60 degrees right triangle?

Other Polygons

3 5	<p>Special Quadrilaterals</p> <p><i>Rectangles</i></p> <p>Concept Development Rectangles</p> <p><i>Parallelograms</i></p> <p>Formula: Area of a Parallelogram</p> <p><i>Trapezoid</i></p> <p>Trapezoid - Defined</p>	<p>Draw a picture of a</p> <ul style="list-style-type: none"> • Rectangle • Parallelogram • Trapezoid
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3 6	<p>Areas of Special Quadrilaterals</p> <p><i>Rectangles</i></p> <p>Formula: Area of a Rectangle Part 2</p> <p>Formula: Area of a Rectangle Part 3</p> <p><i>Parallelograms</i></p> <p>Formula: Area of a Parallelogram</p> <p><i>Trapezoid</i></p> <p>Trapezoid - Developing Area Formula Part 1</p> <p>Trapezoid - Developing Area Formula Part 2</p>	<p>What is the formula for the area of a</p> <ul style="list-style-type: none"> • Rectangle? • Parallelogram? • Trapezoid?
3 7	<p>Interior Angles of a Polygon</p> <p>Sum of Interior Angles: Quadrilaterals</p> <p>Sum of Interior Angles: Polygons</p>	<p><i>Find the sum of the measure of degrees for a</i></p> <ul style="list-style-type: none"> • <i>Quadrilateral</i> • <i>Pentagon</i> • <i>Hexagon</i>

Circles

3 8	<p>Circumference of a Circle</p> <p>Circumference of a Circle</p>	<p><i>Find the circumference of a circle with a radius of 5.</i></p>
3 9	<p>Length of an Arc</p> <p>Arc on a Clock</p> <p>Arc of a Rainbow</p>	<p><i>What is the formula to find the measure of an arc of a circle?</i></p>
4 0	<p>Area of a Circle</p> <p>Area of a Circle</p> <p>Using a Formula for the Area of a Circle</p>	<p><i>Find the area of a circle with a diameter of 10.</i></p>
4 1	<p>Area of a Sector</p> <p>Sector: Pizza Slice</p>	<p><i>What is the formula to find the area of a sector of a circle?</i></p>

Solids

4 2	Surface Area of a Rectangular Solid Comparing 1,2 & 3 Dimensions Surface Area and Volume of Cubes	<i>What is the surface area of a rectangular solid that measures 4" by 3" by 10"?</i>
4 3	Volume of a Rectangular Solid Volume: Part 1	<i>What is the volume of a rectangular solid that measures 4" by 3" by 10"?</i>
4 4	Volume of other Solids <i>cone</i> Volume of a Cone <i>pyramid</i> Volume of a Pyramid <i>cylinder</i> Volume: Cylinders & Prisms	<i>What is the volume of a cylinder with a radius of 10" and a height of 12"?</i> <i>What is the volume of a cone with a radius of 10" and a height of 12"?</i>