

**MATATAG → Math → Grade 10**

Topic	New File Name	File Type	Level of Skill Progression
<b>Q1</b>			
the laws of sines and the laws of cosines	DEV_Discussion Presentation - Law of Sines	ppt	Developing
	DEV_Discussion Presentation - Law of Cosines	ppt	Developing
	DEV_Printable Worksheet - Law of Sines	pdf	Developing
	DEV_Printable Worksheet - Law of Cosines	pdf	Developing
translations, reflections, and rotations, in the Cartesian plane	PRO_Video - The Four Transformations in Math	video	Proficient
quadratic inequalities in one variable and in two variables	DEV_Discussion Presentation - Quadratic Inequalities	ppt	Developing
	DEV_Discussion Presentation - Solving Problems Involving Quadratic Inequalities	ppt	Developing
	DEV_Printable Worksheet - Quadratic Inequalities	pdf	Developing
	DEV_Printable Worksheet - Solving Problems Involving Quadratic Inequalities	pdf	Developing
absolute value equations and inequalities in one variable and their graphs	DEV_Video - Quadratic Inequalities	video	Developing

Q2			
box-and-whisker plots, and cumulative frequency histograms and polygons	DEV_Video - Quartiles and Interquartile Range	video	Developing
quartiles, deciles, and percentiles; interquartile range, and outliers	DEV_Video - How to Find the 20th and 80th Percentile of a Data Set	video	Developing
	DEV_Discussion Presentation - Measure of Position	ppt	Developing
	DEV_Discussion Presentation - Solving Problems Involving Measures of Position	ppt	Developing
	DEV_Printable Worksheet - Measure of Position	pdf	Developing
	DEV_Printable Worksheet - Solving Problems Involving Measures of Position	pdf	Developing
	DEV_eContent - Quartile_BU	html	Developing
	DEV_eContent - Quartile_STR	html	Developing
	DEV_eContent - Quartile_MAS	html	Developing
radical expressions	DEV_Discussion Presentation - Rational Exponents and Radicals	ppt	Developing
	DEV_Discussion Presentation - Laws of Radicals	ppt	Developing
	DEV_Discussion Presentation - Simplifying Radical Expressions	ppt	Developing
	DEV_Discussion Presentation - Addition and Subtraction of Radicals	ppt	Developing
	DEV_Discussion Presentation - Multiplication of Radicals	ppt	Developing
	DEV_Discussion Presentation - Division of Radicals	ppt	Developing
	DEV_Printable Worksheet - Rational Exponents and Radicals	pdf	Developing
	DEV_Printable Worksheet - Laws of Radicals	pdf	Developing
	DEV_Printable Worksheet - Simplifying Radical Expressions	pdf	Developing
	DEV_Printable Worksheet - Addition and Subtraction of Radicals	pdf	Developing
	DEV_Printable Worksheet - Multiplication of Radicals	pdf	Developing
	DEV_Printable Worksheet - Division of Radicals	pdf	Developing
	DEV_eContent - Operations on Radical Expressions_BU	html	Developing
	DEV_eContent - Operations on Radical Expressions_STR	html	Developing
	DEV_eContent - Operations on Radical Expressions_MAS	html	Developing

quadratic functions	DEV_Discussion Presentation - Graphs of Quadratic Functions	ppt	Developing
	DEV_Discussion Presentation - Vertex Form of Quadratic Functions	ppt	Developing
	DEV_Discussion Presentation - Equation of Quadratic Functions	ppt	Developing
	DEV_Printable Worksheet - Graphs of Quadratic Functions	pdf	Developing
	DEV_Printable Worksheet - Vertex Form of Quadratic Functions	pdf	Developing
	DEV_Printable Worksheet - Equation of Quadratic Functions	pdf	Developing
	DEV_eContent - Radical Properties_BU	html	Developing
	DEV_eContent - Radical Properties_STR	html	Developing
	DEV_eContent - Radical Properties_MAS	html	Developing
equations reducible to quadratic equations	DEV_Video - Divide 3 Different Polynomials Using Synthetic Division Step by Step	video	Developing
	DEV_Video - How to Use the Remainder Theorem with Polynomials	video	Developing
	DEV_Video - Learn How to Use Long Division to Divide Two Polynomials	video	Developing
	DEV_Video - Synthetic Division vs Long Division	video	Developing
	DEV_Video - Math Tutorial for Solving Radical Equations	video	Developing
	DEV_Video - Solving Radical Equations with the Cube Root, the Easy Way	video	Developing
	DEV_Discussion Presentation - Effects of Changing the Values of a, h, and k on the Graphs of a Quadratic Function	ppt	Developing
	DEV_Discussion Presentation - Solving Radical Equations	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Radicals	ppt	Developing
	DEV_Printable Worksheet - Effects of Changing the Values of a, h, and k on the Graphs of a Quadratic Function	pdf	Developing
	DEV_Printable Worksheet - Solving Radical Equations	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Radicals	pdf	Developing
	DEV_eContent - Quadratic Equations_BU	html	Developing
	DEV_eContent - Quadratic Equations_STR	html	Developing
	DEV_eContent - Quadratic Equations_MAS	html	Developing
	DEV_eContent - Polynomial Equations_BU	html	Developing
	DEV_eContent - Polynomial Equations_STR	html	Developing
	DEV_eContent - Polynomial Equations_MAS	html	Developing
	DEV_eContent - Remainder and Factor Theorem_BU	html	Developing
	DEV_eContent - Remainder and Factor Theorem_STR	html	Developing
	DEV_eContent - Remainder and Factor Theorem_MAS	html	Developing

Q3			
equation of a circle and the graph of a circle	DEV_Video - Problems Based on Cartesian Equation of a Circle	video	Developing
	DEV_Video - Find the Center and Radius of the Circle in Standard Form	video	Developing
	DEV_Video - Graph a Circle Given in Standard Form	video	Developing
	DEV_Video - Graph a Circle When the Equation Is Not in Standard Form	video	Developing
	DEV_Video - Write the Equation of a Circle Given Parts	video	Developing
	DEV_Discussion Presentation - Equation of a Circle	ppt	Developing
	DEV_Printable Worksheet - Equation of a Circle	pdf	Developing
	DEV_eContent - Equation of a Circle_BU	html	Developing
	DEV_eContent - Equation of a Circle_STR	html	Developing
	DEV_eContent - Equation of a Circle_MAS	html	Developing
evaluation of statistical reports	DEV_Discussion Presentation - Formulating Statistical Research	ppt	Developing
	DEV_Discussion Presentation - Statistical Measures for a Mini-Research	ppt	Developing
	DEV_Printable Worksheet - Formulating Statistical Research	pdf	Developing
	DEV_Printable Worksheet - Statistical Measures for a Mini-Research	pdf	Developing
union and intersection of events, dependent and independent events, and complementary events	DEV_Video - Conditional Probability	video	Developing
	DEV_Discussion Presentation - Events	ppt	Developing
	DEV_Discussion Presentation - Probability of Mutually Exclusive Events	ppt	Developing
	DEV_Printable Worksheet - Events	pdf	Developing
	DEV_Printable Worksheet - Probability of Mutually Exclusive Events	pdf	Developing
	DEV_eContent - Probability of Union of Events_BU	html	Developing
	DEV_eContent - Probability of Union of Events_STR	html	Developing
	DEV_eContent - Probability of Union of Events_MAS	html	Developing

Q4			
simple interest, compound interest, and depreciation	DEV_Video - Determine the Final Value for Compound Interest Problems	video	Developing
	DEV_Video - Finding the Final Value of Compound Interest	video	Developing
	DEV_Video - What Is the Compound Interest Formula and What Does It Mean	video	Developing
central angles; inscribed angles; and angles and lengths formed by intersecting chords, secants, and tangents of a circle	DEV_Video - Determine the Value of X When Given Two Tangent Lines to a Circle	video	Developing
	DEV_Video - Find the Missing Value Using Two Secant Lines from a Point Outside of the Circle	video	Developing
	DEV_Video - Given the Intersection of Two Chords Not at the Center Find the Measure of an Arc	video	Developing
	DEV_Video - How Do the Lengths of Two Secant Lines from a Point Outside a Circle Compare	video	Developing
	DEV_Video - How to Solve for X When Given Two Tangent Lines to a Circle	video	Developing
	DEV_Video - Learn to Find the Missing Angle Outside of a Circle with a Secant and Tangent Line	video	Developing
	DEV_Video - Solve for X Given the Intersection of Two Chords Not at the Center of a Circle	video	Developing
	DEV_Video - What Are the Formulas for Angles Inside or on a Circle for Their Arcs	video	Developing
	DEV_Video - What Are the Formulas for the Measure of Angles Outside of a Circle	video	Developing
	DEV_Discussion Presentation - Central Angles	ppt	Developing
	DEV_Discussion Presentation - Inscribed Angles	ppt	Developing
	DEV_Discussion Presentation - Central Angles and Inscribed Angles	ppt	Developing
	DEV_Discussion Presentation - Arcs and Chords	ppt	Developing
	DEV_Discussion Presentation - Tangents	ppt	Developing
	DEV_Discussion Presentation - Angles Formed by Tangents and Secants	ppt	Developing
	DEV_Printable Worksheet - Central Angles	pdf	Developing
	DEV_Printable Worksheet - Inscribed Angles	pdf	Developing
	DEV_Printable Worksheet - Central Angles and Inscribed Angles	pdf	Developing
	DEV_Printable Worksheet - Arcs and Chords	pdf	Developing
	DEV_Printable Worksheet - Tangents	pdf	Developing
	DEV_Printable Worksheet - Angles Formed by Tangents and Secants	pdf	Developing
	DEV_eContent - Chords, Arcs, Central Angles, and Inscribe Angles_BU	html	Developing
	DEV_eContent - Chords, Arcs, Central Angles, and Inscribe Angles_STR	html	Developing
	DEV_eContent - Chords, Arcs, Central Angles, and Inscribe Angles_MAS	html	Developing
	DEV_eContent - Secants, Tangents, and Sectors_BU	html	Developing
	DEV_eContent - Secants, Tangents, and Sectors_STR	html	Developing
	DEV_eContent - Secants, Tangents, and Sectors_MAS	html	Developing

sectors and segments of a circle, and their areas	DEV_Video - What are Chords, Segments, Arcs and Sectors (Circles Part 2)	video	Developing
	DEV_Video - Area of a Sector and Length of an Arc of a Circle (Circles Part 3)	video	Developing
	DEV_Discussion Presentation - Segment Formed by Chords, Secants, and Tangents	ppt	Developing
	DEV_Discussion Presentation - Sectors	ppt	Developing
	DEV_Printable Worksheet - Segment Formed by Chords, Secants, and Tangents	pdf	Developing
	DEV_Printable Worksheet - Sectors	pdf	Developing