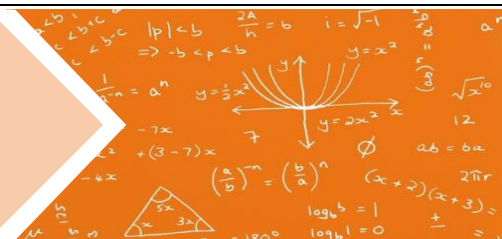


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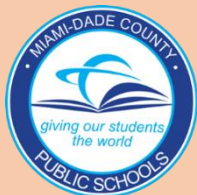
B.E.S.T. Algebra 1 EOC Self-Prep Camp - **IXL**



June 12, 2023 – July 18, 2023



Monday	Tuesday	Wednesday	Thursday	Friday
Exponents and Radicals (Lessons)		Functions (Lessons)	Transformations of Functions	Categorical and Numerical Data (Lessons)
12 Multiplication with rational exponents (Search Shortcut: YG7) Division with rational exponents (Search Shortcut: H47) Power rule with rational exponents (Search Shortcut: QF8) Simplify expressions involving rational exponents (Search Shortcut: 89Q)	13 Simplify radical expressions (Search Shortcut: ZFF) Add and subtract radical expressions (Search Shortcut: DLV) Multiply radicals (Search Shortcut: BKA)	14 Evaluate a function (Search Shortcut: R96) Evaluate a function: plug in an expression (Search Shortcut: VNZ) Interpret functions using everyday language (Search Shortcut: U98) Rate of change: tables (Search Shortcut: PLA) Rate of change: graphs (Search Shortcut: BNH)	15 Function transformation rules (Search Shortcut: ZEG) Translations of functions (Search Shortcut: L92) Reflections of functions (Search Shortcut: KD2) Transformations of functions (Search Shortcut: AAB) Describe function transformations (Search Shortcut: ZRR)	16 Interpret line plots (Search Shortcut: PXN) Create line plots (Search Shortcut: N2E) Interpret histograms (Search Shortcut: 2QR) Create histograms (Search Shortcut: WZU) Box plots (Search Shortcut: YE9) Interpret circle graphs (Search Shortcut: UHY)
Legal Holiday	Check Point Opportunity	Solving Linear Equations (Lessons)		Solving Linear Inequalities (Lessons)
	20 Checkpoint: Exponents and radicals (Search Shortcut: 82X) Checkpoint: Function transformations (Search Shortcut: LLX) Checkpoint: Represent and interpret data (Search Shortcut: 21N) Checkpoint: Two-way frequency tables (Search Shortcut: BHH)	21 Solve two-step linear equations (Search Shortcut: QAK) Solve advanced linear equations (Search Shortcut: 28N) Solve equations with variables on both sides (Search Shortcut: 7S7) Solve equations: complete the solution (Search Shortcut: EVP)	22 Solve linear equations: mixed review (Search Shortcut: DN6) Rearrange multi-variable equations (Search Shortcut: WSJ) Solve one-step and two-step linear equations: word problems (Search Shortcut: UFG) Consecutive integer problems (Search Shortcut: HDF)	23 Identify solutions to inequalities (Search Shortcut: 5UE) Solve two-step linear inequalities (Search Shortcut: NPZ) Solve advanced linear inequalities (Search Shortcut: 9K8) Solve compound inequalities (Search Shortcut: GXA) Graph solutions to compound inequalities (Search Shortcut: LHX)
Linear Functions (Lessons)		Systems of Equations (Lessons)		Linear Inequalities (Lessons)
26 Identify linear functions from graphs and equations (Search Shortcut: VMQ) Identify linear functions from tables (Search Shortcut: F5G) Interpret the graph of a function: word problems (Search Shortcut: STU) Complete a table and graph a linear function (Search Shortcut: JFG) Slope-intercept form: write an equation from a graph (Search Shortcut: 9GW) Slope-intercept form: write an equation from a table (Search Shortcut: SSE)	27 Slope-intercept form: write an equation from a word problem (Search Shortcut: HWM) Slope-intercept form: find the slope and y-intercept (Search Shortcut: R5T) Point-slope form: write an equation from a graph (Search Shortcut: LBX) Standard form: find x- and y-intercepts (Search Shortcut: 8SN) Write an equation for a parallel or perpendicular line (Search Shortcut: 5SH)	28 Solve a system of equations using substitution (Search Shortcut: 8P9) Solve a system of equations by graphing (Search Shortcut: TSS) Solve a system of equations using elimination (Search Shortcut: A48) Solve a system of equations using any method (Search Shortcut: HLV)	29 Solve a system of equations using substitution: word problems (Search Shortcut: US9) Solve a system of equations using elimination: word problems (Search Shortcut: NHR) Solve a system of equations using any method: word problems (Search Shortcut: GDQ)	30 Graph a two-variable linear inequality (Search Shortcut: HHP) Solve systems of linear inequalities by graphing (Search Shortcut: SGH) Is (x, y) a solution to the system of inequalities? (Search Shortcut: VFC)



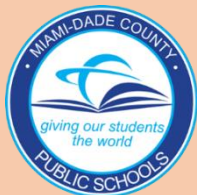
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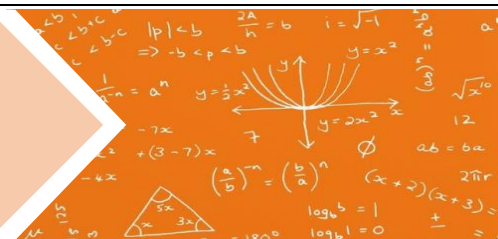
Monday	Tuesday	Wednesday	Thursday	Friday
Data Analysis (Lessons)	Legal Holiday	Check Point Opportunity		Polynomials
3 Interpret regression lines (Search Shortcut: ZTF) Analyze a regression line of a data set (Search Shortcut: 8D8) Correlation and causation		5 Checkpoint: Solve linear equations and inequalities (Search Shortcut: ZTF) Checkpoint: Linear inequalities (Search Shortcut: M66) Checkpoint: Write and interpret two-variable linear equations (Search Shortcut: FCM) Checkpoint: Average rate of change (Search Shortcut: T79)	6 Checkpoint: Graph linear functions (Search Shortcut: T79) Checkpoint: Parallel and perpendicular lines (Search Shortcut: T79) Checkpoint: Systems of equations and inequalities (Search Shortcut: T79) Checkpoint: Linear modeling (Search Shortcut: T79)	7 Add and subtract polynomials (Search Shortcut: 5EK) Add polynomials to find perimeter (Search Shortcut: 8AS) Multiply a polynomial by a monomial (Search Shortcut: G2G) Multiply two binomials (Search Shortcut: M7Q) Multiply two binomials: special cases (Search Shortcut: 9JN) Multiply polynomials (Search Shortcut: 58A)
Polynomials	Quadratics (Lessons)		Exponential Functions (Lessons)	Absolute Value Equations and Functions (Lessons)
10 Divide polynomials by monomials (Search Shortcut: 7ZD) Factor out a monomial (Search Shortcut: JZL) Factor quadratics: special cases (Search Shortcut: 56E) Factor quadratics with leading coefficient 1 (Search Shortcut: S9P) Factor quadratics with other leading coefficients (Search Shortcut: 7ED)	11 Characteristics of quadratic functions: graphs (Search Shortcut: HW8) Characteristics of quadratic functions: equations (Search Shortcut: YJZ) Solve a quadratic equation using square roots (Search Shortcut: ERF) Solve a quadratic equation by factoring (Search Shortcut: CSS) Solve a quadratic equation using the quadratic formula (Search Shortcut: XCF)	12 Domain and range of quadratic functions: equations (Search Shortcut: 4J7) Graph quadratic functions in vertex form (Search Shortcut: C7T) Graph quadratic functions in standard form (Search Shortcut: HMW) Match quadratic functions and graphs (Search Shortcut: AU8) Transformations of quadratic functions (Search Shortcut: 6YS)	13 Exponential functions over unit intervals (Search Shortcut: S7D) Exponential growth and decay: word problems (Search Shortcut: UKG) Match exponential functions and graphs (Search Shortcut: 72J) Compare linear, exponential, and quadratic growth (Search Shortcut: 39V) Simple interest: calculate amount of interest or total amount (Search Shortcut: 39V) Compound interest: word problems (Search Shortcut: 39V)	14 Solve absolute value equations (Search Shortcut: 9LF) Complete a function table: absolute value functions (Search Shortcut: 2DH) Graph an absolute value function (Search Shortcut: TD2) Domain and range of absolute value functions: graphs (Search Shortcut: NV7)
Check Point Opportunity				
17 Checkpoint: Polynomial operations (Search Shortcut: 59E) Checkpoint: Solve quadratic equations (Search Shortcut: 5FT) Checkpoint: Quadratic functions (Search Shortcut: EQB)	18 Checkpoint: Exponential functions (Search Shortcut: MMB) Checkpoint: Evaluate and compare functions (Search Shortcut: SDX) Checkpoint: Interpret expressions and equations (Search Shortcut: XKT)	19	20	
		BEST Algebra 1 EOC Test		



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Monday	Tuesday	Wednesday	Thursday	Friday
Algebra 1 Available Lessons These lessons help you brush up on important math topics and prepare you to dive into skill practice!				
Expressions Writing algebraic expressions Evaluating expressions Simplifying expressions The distributive property Expanding expressions Factoring expressions Single-variable equations Solving equations Multi-step equations Equations with infinitely many or no solutions Single-variable inequalities Solving inequalities Compound inequalities Relations and functions Relations and functions Independent and dependent variables Domain and range Linear functions Linear equations Linear functions Slope Slope-intercept form Point-slope form Standard form of linear equations Equations of parallel and perpendicular lines Systems of Equations Systems of equations		Linear inequalities Linear inequalities Systems of linear inequalities Exponents Exponents Properties of exponents Rational exponents Exponential functions Exponential functions Exponential growth Exponential decay Quadratic equations Quadratic equations Factoring quadratic equations Completing the square The quadratic formula Quadratic functions Absolute Equations and Functions Absolute value equations Absolute value functions Data and graphs Box and whisker plots Dot plots Histograms Scatter plots Correlation Line of best fit Two-way tables		