

Curtis, Ereckson, Ford Algebra 1 Concept Map 2007-2008 Holt Algebra 1

1st Six Weeks	2nd Six Weeks	3rd Six Weeks	4th Six Weeks	5th Six Weeks	6th Six Weeks
Take home test rev: 1.2,1.3,1.4,2.1,2.2,2.3,1.6,1.7,1.8	Depend. vs. Independ. Intro to function. notation 4.3 A.1A	Intro $y = mx+b$ Investigate effect of m and b on the graph A.6C	Solve Systems by Graphing 6.1 and 6.4 A.8B	Laws of Exponents to multiply exponentials 7.1, 7.3 A.11A	Geometric Sequences 11.1 A.3B
Number system 1-5	Function Notation Find function values 4.3 A.4C, A.4A	Families of linear Equations 5.9ish A.6F	Solve Systems on TI83 (matrices) A.8B	Division, Negative and Zero Prop of Exp. 7.4 A.11A	Exponential Functions 11.2 A.1C
Properties 1..7 A.4B	Interpret Graphs Concrete vs. discrete 4.1 A.2C, A.2b	Graph line from Slope-intercept equation 5.6 A.6D	Solve Systems by Substitution 6.2 and 6.4 A.8B	Scientific Notation 7.2 A.11A	Exponential Growth/ Decay 11.3 A.11C
Solve equations 2.1,2.2,2.3 A.7B	Domain and Range 4.2 A.5B, A.2B	Direct Variation 5.5 A.6G	Solve Systems by Elimination 6.3 and 6.4 A.8B	Add / Subt Polynomials 7.6 A.4A	Linear, Quad. Exponential Models 11.4 A.1D
Solve equations : variables both sides 2.4 A.7B	Relation vs. Function 4.2 A.1B	Write eq. in $y=mx+ b$ form given a line graph where $b=integer$ A.6D	Systems Applications (tickets, area, perimeter) A.8A	Multiply Polynomials w/ and w/o organizer 7.7 lab A.4A	Formulas: Pythagorean Thm., Distance, Midpoint G.7C
Literal equations transform 2.5 A.4A	Graph Functions 4.4 A.1D	Write eq. in $y=mx+ b$ form given a table of values A.6D	Systems Applications (#, %, \$, Geometry) A.8A	Multiply binomials (FOIL) 7.7,7.8 A.4A	Square Root Function 11.5 A.4A
Solve equations in proportion form 2.6,2. 7 A.6G	Connect table/graph/function A.1E	4-corner model "Aircraft Algebra" A.5C, A.2B	Systems Applications (Mixture) A.8A	Intro / characteristics of Quadratics TI83 9.1,9.2 A.2A,A.10B	Simplify Radicals Radical Operations 11.6-11.8 2A.9
Translate into algebra A.3A	Scatter Plots 4.5 A.2D	Write eq. in $y=mx+ b$ form given slope and 1 point 5.6 A.6D	Graph linear inequalities in 2 – var 6.5 A.7B	Solve by factoring and the ZPP methods 8.1 thru 8.5 A.4A 9.6 A.10A	Solve radical equations 11.9 A.4A
1-variable APP WP (parts/age) A.1C	Best Fit Line, Prediction, and Linear Regression 4.5 Lab A.2D	Write eq. in $y=mx+ b$ form given 2 points 5.6 A.6D	Graph systems of lin. Inequalities 6.6 A.7B	Vertex/ line of symmetry 9.3 A.9D	Inverse variation 12.1 A.11B
1-variable APP WP (consecutive integer) A.1C	Arithmetic Sequences 4.6 A.3B	Intercepts and Standard form of Equation 5.2 A.6E	SA of Prisms, pyramids, Cylinders and Cones p.550 8.8A	Transform Quads 9.4 A.9B, A.9C	Add, subt, mult, div rational expressions 12.3 thru 12.5 12.extension
1-variable APP WP (geometry) A.1C	Is the data Linear? 5.1 A.5A	Write eq given m and 1 point Using point-slope form 5.7 A.6D	Volume of Prisms, Cylinders, Pyramids, Cones, and spheres p.550 8.8B	Graph quads by hand and TI83 9.5 A.10A	Solve rational equations 12.7 12.extension
Solve and graph 1-variable inequalities 3.1 thru 3.5 A.7B	Graph Equation from A table of values A.5C	Write eq given 2 points Using point-slope form 5.7 A.6D	Effect of change on Vol, Perim., and, SA p.779 8.10B	Solve quads using the square root method 9.7 A.10A	Chap. 10 topics A.1D
Solve and graph compound inequalities 3.6 A.7B	Slope Rise/Run 5.3 A.6A, A.6B	Parallel/Perpendicular slopes 5.8 A.6F		Solve quadratics by completing the square 9.8 A.10A	
Solve abs. val. Ea. (open sentences) 2. Extension	Slope Formula 5.4 A.6A	Absolute Value Function Ext. lesson 5.Extension		Solve Quadratics using the quad form. 9.9 A.10A	
	Slope: Finite Differences A.6A			Dana Center "Golfing" A.10A	
	Graph line from slope and 1 point 5.6 A.6D		A.8C with the first 7 topics	Domain and Range of Quadratics A.9A	
A.7A and A.7C	A.7A	A.7A and A.7C	A.7A and A.7C	A.7A	A.7A