

Correlations to Key Curriculum Press, Discovering Advanced Algebra: An Investigative Approach

Correlated Lesson	Exploring Algebra 1 with The Geometer's Sketchpad		
	Unit	Activity	Description
3.2	6	The Slope-Intercept Form of a Line	Plot points determined by $y = a + bx$ and construct the resulting line and families of lines. This activity is located in the Supplemental Activities folder on the CD.
3.3	6	The Point-Slope Form of a Line	Examine the effect of each constant on the graph of an equation in the form $y = y_1 + b(x - x_1)$. This activity is located in the Supplemental Activities folder on the CD.
3.3	6	Lines of Fit	Approximate a line of best fit to a number of data points, and use the line to make an estimate.
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5.2	2	Exponents	Learn principles of exponents by experimenting with repeated multiplication.
5.2	2	Zero and Negative Exponents	Use a visual model to understand the behavior of negative exponents.
7.2	7	Modeling with Quadratic Equations: Where Are the Giant Ants?	Explore issues of scale to better understand quadratic and linear relationships.
7.6	7	Factoring Trinomials	Factor trinomials using algebra tiles and investigate the role of the coefficients.