

SpiralEd Solutions

ALGEBRA IVOCABULARY

TEACHER INFO

SpiralEd Solutions

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SpiralEd Solutions Vocabulary Cards Directions

- Prepare a set of cards for each student. This can be done on cardstock, colored paper, or plain paper; or have a class set of cards with enough cards for each pair of students to work. Sets can be reused each year.
- Distribute and introduce 4 cards each week. This will facilitate introduction of the entire deck the first semester of school.
- Have students write the information listed below on the back of the appropriate card.
- Have students interact with cards for a few minutes each day. Vary activities, teaching students how best to benefit from vocabulary cards. With only four new cards a week, students are not overwhelmed.
- Test student progress every few weeks with the quizzes provided. Students must understand that as the deck grows, they are responsible for all words to date.
- Play games with the cards. Make the experience as fun and positive as possible.
- Acknowledge students who use vocabulary from the cards in classroom conversations.
- The cards do not follow the usual Algebra I scope and sequence. They are somewhat random. This is intentional. Students are not learning vocabulary for a given unit, but for Algebra, as a whole. Frontloading future vocabulary helps students master new concepts more quickly.

Card 1	x-intercept , $y = 0$
Card 2	y-intercept , $x = 0$
Card 3	solution to a system of equations
Card 4	system of equations with no solution , parallel lines, $m = m$
Card 5	vertical line , no slope, undefined, not a function, written $x =$
Card 6	horizontal line , $m = 0$, function, written $y =$
Card 7	positive slope
Card 8	negative slope
Card 9	vertex
Card 10	roots, solutions, zeros, x-intercepts
Card 11	axis of symmetry
Card 12	y-intercept in equation , flat rate

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- Card 13 **y-variable**, dependent
- Card 14 **slope**, rate of change, “per”
- Card 15 **x-variable**, independent
- Card 16 **linear parent function**, $y = x$
- Card 17 **quadratic parent function**, $y = x^2$, parabola
- Card 18 **“f of x”**, the function of x, the y output for a specific x input
- Card 19 **maximum**
- Card 20 **minimum**
- Card 21 **origin**, (0, 0)
- Card 22 **x-axis**, $y = 0$
- Card 23 **y-axis**, $x = 0$
- Card 24 **“You must run before your kite will rise.”** Graphing ordered pairs.
- Card 25 **coefficient**
- Card 26 **domain**, all of the x-values, smallest x to largest x (left to right)
- Card 27 **range**, all of the y-values, smallest y to largest y (bottom to top)
- Card 28 **variables**
- Card 29 **area**, covering, measured in square units (carpet, tile, paint)
- Card 30 **perimeter**, “around”, measured in linear units (fence, picture frame, border)
- Card 31 **translation**
- Card 32 **counting numbers or natural numbers**
- Card 33 **whole numbers**
- Card 34 **integers**
- Card 35 **rational numbers**
- Card 36 **vertical line test**, determines function
- Card 37 **line of best fit**; the closer the dots are to the line, the closer the correlation coefficient is to 1 or -1
- Card 38 **negative correlation**

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Card 39	no correlation
Card 40	positive correlation
Card 41	Quadrant I
Card 42	Quadrant II
Card 43	Quadrant III
Card 44	Quadrant IV
Card 45	exponential , $y=a^x$
Card 46	asymptote , never reached
Card 47	geometric sequence
Card 48	arithmetic sequence
Card 49	association
Card 50	causation
Card 51	exponential decay
Card 52	exponential growth
Card 53	direct variation , passes through origin
Card 54	proportion
Card 55	difference of two squares , $(8x+9)(8x-9)$
Card 56	perpendicular ; steal slope, flip and change the sign

(**Bold** indicates primary term.)