

ALGERIA

LABYRINTH

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ALGEBRA LABYRINTH

SLOPE

This activity will get your students to use their knowledge of **slope** in order to solve problems. Every correct answer helps them find their way through the labyrinth. In the end, students should complete every problem on the page without repetition.

This is one of my favorite activities to do as an alternative to book-work or a boring worksheet. I use these activities especially for really important concepts that students absolutely must know to be successful in the unit. This activity is one that the students actually enjoy. If I put the same questions on a worksheet, I might hear a lot of whining. Instead, they see this as a game, and they work hard to find their way through the labyrinth.

All you have to do is give a paper to each student. You may have them work cooperatively or assign this as homework. The next thing you know, you have a classroom full of students who completed their work and learned from their mistakes along the way. Sound too good to be true? Try it, and you will become a believer, too!

TEACHER INSTRUCTIONS

BEFORE CLASS:

- Print the pages & make enough copies for everyone.
- Optional: assign groups if you use this as an in-class assignment

DURING CLASS:

- Pass out student one page to each student.
- Instruct students how the activity works. For example, “Work out each problem on the answer sheet. Take your time and show all of your work. When you determine the answer, circle that answer within the choices that are listed around the outside of that problem’s box. Darken the arrow that goes to the next box from that circled answer. (Note that this will cross out one potential answer from the next question. That’s okay. This is eliminating a wrong answer for you.) It helps to darken the box around each problem that you have completed so you know which problems you have already finished. Continue answering questions in the same way, moving from problem to problem until you have solved every problem on the page. If you repeat a problem before all of them are completed, you made a mistake somewhere. Go back and check your answers.”

PLEASE NOTE

This is only ONE of THREE Algebra Labyrinth activities that we have about slope / rate of change. The complete package helps students learn:

1. Finding slope between two points (included in free file)
2. Finding slope from a graph
3. Finding parallel & perpendicular slopes

To see the complete package, please click on the link below.

<http://www.teacherspayteachers.com/Product/Algebra-Labyrinth-SLOPE-1487790>

$(-3, -4)$
&
 $(-2, -8)$

$-4 \leftrightarrow -1$

-12
 \updownarrow
 -8

$(-3, 8)$
&
 $(3, 8)$

$0 \leftrightarrow 2$

$undef$ \leftrightarrow -2
 $\swarrow \searrow$
 $1/2$ \leftrightarrow $undef$

$(5, 1)$
&
 $(9, -7)$

$4/7 \leftrightarrow 1$

$3/2$ \updownarrow 1
 $-3/2$ \leftrightarrow -1
 $\swarrow \searrow$
 -1 \leftrightarrow -10

$(-4, 5)$
&
 $(3, 6)$

$1/7$
 \updownarrow
 -8

$(-3, 9)$
&
 $(-1, -7)$

$-4 \leftrightarrow -3$

4 \updownarrow -2
 -1 \leftrightarrow 2
 $\swarrow \searrow$
 -1 \leftrightarrow $-2/3$

$(-1, -2)$
&
 $(3, -4)$

$3 \leftrightarrow 0$

1 \updownarrow -1
 $-1/2$ \leftrightarrow -2
 $\swarrow \searrow$
 0 \leftrightarrow $1/10$

$(4, -6)$
&
 $(-4, 2)$

$1/2 \leftrightarrow 10$

2 \updownarrow $5/2$
 $-1/2$ \leftrightarrow 2
 $\swarrow \searrow$
 $-1/2$ \leftrightarrow $undef$

$(-2, 9)$
&
 $(3, -1)$

-2 \updownarrow $-9/4$

$(1, -4)$
&
 $(-3, 8)$
START

$-3 \leftrightarrow 2/3$

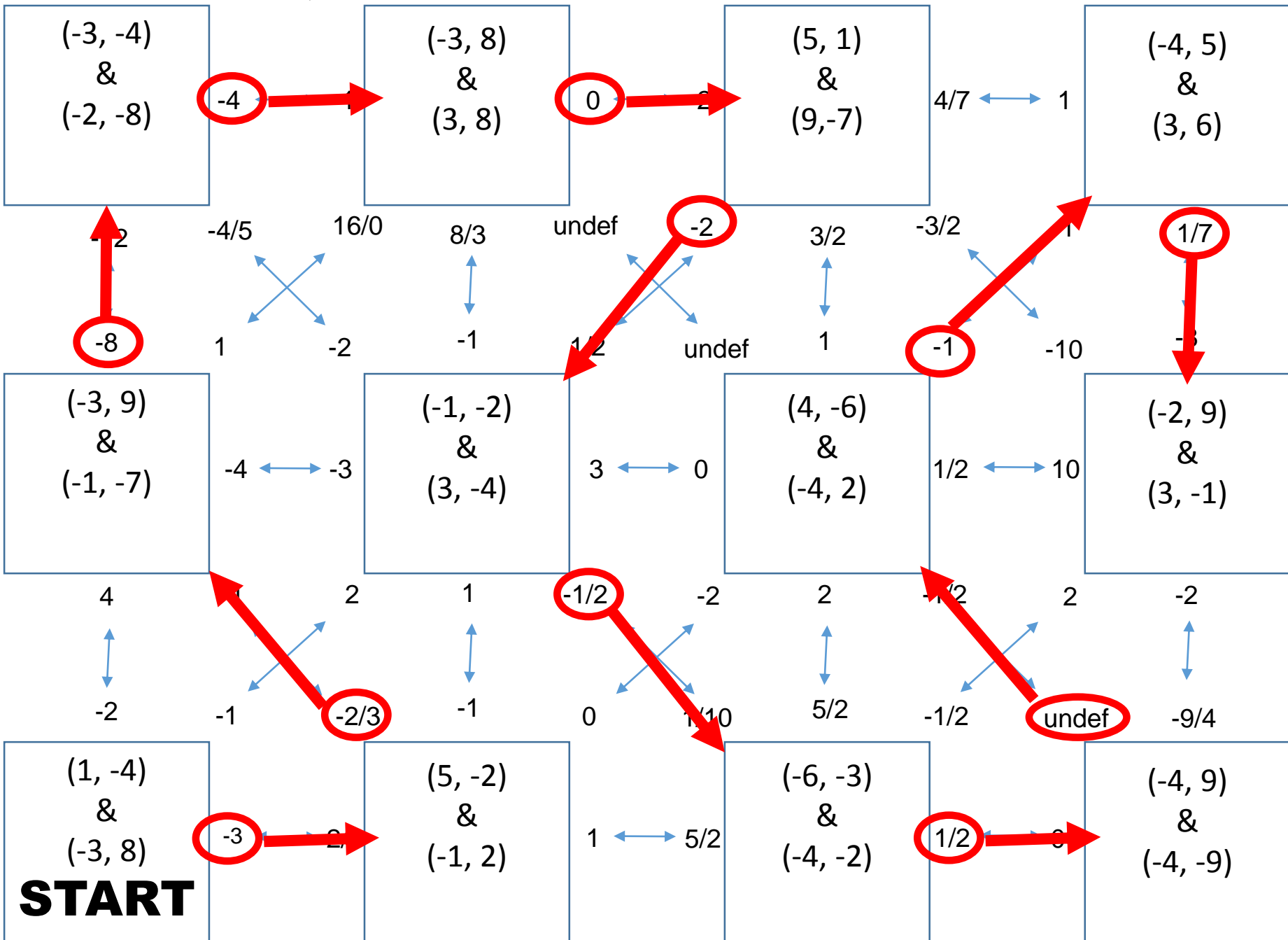
$(5, -2)$
&
 $(-1, 2)$

$1 \leftrightarrow 5/2$

$(-6, -3)$
&
 $(-4, -2)$

$1/2 \leftrightarrow 0$

$(-4, 9)$
&
 $(-4, -9)$



I hope you enjoy this activity! If you have any requests, comments, or corrections, please send me a message:

AlgebraAwesomeness@hotmail.com



To see all of my lessons, activities, and games, visit the

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A teacher and student favorite! A way to introduce slope that students will remember!
- [Systems of Equations Activity: Selling Burgers \(substitution & elim.\)](#)
Strengthen understanding of systems with this real-world activity!
- [Slope Intercept Activity / Investigation: Towers](#)
A way to introduce slope-intercept that will impress your students and your boss!
- [Linear Programming – Real-World Problems \(for notes & homework\)](#)
Comprehensive & fun! More than enough problems to cover this Common Core standard!

$$\sqrt{x}$$

$$h = -16t^2 + v_0t + s$$

ALGEBRA
AWESOMENESS

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\log_b x = y$$

About Algebra Awesomeness

I am a National Board Certified math teacher with a Master's degree in education. I have a strange combination of Math and English Education degrees. This strange mix helps me to be the word problem guru at my school. More importantly, I am married to another math teacher who now stays at home full-time with our children. We began this venture of Algebra Awesomeness at the end of 2012. What a blessing! This store has helped me to share creations with other teachers and to learn from them. It has also helped us to pay some huge, unexpected medical bills for our son. Our family is incredibly grateful to you and to all of our customers for their support. We cannot thank God enough for this great blessing of an extra income and encouragement. Thank you!