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**Lyrics**

**“We are Polynomials”**

To the tune of Queen, “We are the Champions”

Topic: Description of a Polynomial

I see constants
Variables, number exponents
And noticed some signs
And when I see
That algebra
I need to know
Oh what do I do?

We are polynomials- my friends
And we'll keep on going – sometimes neverend
We can be added
We can be subtracted
Multiplied, not divided
'Cause we are polynomials - of the world!

 **“Teach Me How To Factor”**

To the tune of Cali Swag District, “Teach Me How ToDougie”

Topic: Factoring Quadratic Expressions

Hey, hey……teach me how to factor…hey …be likeMs. B…what? Can you teach me how to factor? You know why? Cause all the students asking? All I need is a real good quadratic and for you, you, you to back me up and check it. Get your terms lined up make them high to low. Look for a GCF that’s something everyone should know. We got two terms and a minus in the middle. Now we cooking, I put the bacon on the griddle. Both the digits gotta be perfect squares. One, four, nine, sixteen, twenty-five, over here.DOS all the student’s trying to get it.You gotta recognize when I spit it.Set up two sets. Put an x in each. Minus here, plus there. Listen when I teach. I make the class shine bright when we start to do it. This one’s a piece of cake so I had to do it.

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

I am Ms. Brydges, never was a good actor. You know I am from Lew-Port, and I teach you how to factor. Step up on my class and all the students hear me, if you got three terms and a plus in the back. I hear the class screaming like, “hey this is whack”. The signs must be the same when you follow the flow. They like “how you do that” when I factor on the floor. Set up two sets, put an x in both. The signs in the middle will be showing up the most. Three terms, and a plus in the back. Your signs all double up like a Wendy’s double stack. I take this to the class, when I show them how to factor.

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

Back to the crunch, you know I really like to factor. The roots of the quadratic,ya that’s what I am after. GCF first, then FOIL to check you work. We got one more case, so we have to take a look. We bout to factor, got an answer with two signs. This one’s the hardest so listen to my rhymes.If you got three terms and a minus at the end. The signs will be different, where they go that depends. The larger of your numbers gets the sign from the middle. This problems not too bad if you study just alittle. Now pick up your pencil, I don’t wanna hear you fussing. Teachers swear I got them students with the brains on them busting. Ahhhh! You really gotta get this lesson. This problem’s hot; we just took it out the oven. I like to factor and get everybody working. I yell ya we do it and everybody factors!

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

Teach me how to factor, teach me, teach me how to factor. Teach me how to factor,teach me, teach me how to factor.

Everybody factor, every-every-body factor. Everybody factor

I check my work when I factor.

**“We Will Graph You”**

To the tune of Queen, “We Will Rock You”

Topic: Graphing a line

Buddy you’re a boy with a hard time graphing

All you got to do is find the m and b

It’s not too hard you see

Put your pencil on the b

Graphing’s not that hard as you thought it might be

We will we will graph you

We will we will graph you

We will we will graph you

Now you got a point on the y-intercept

All you need to do is find the rest of it

You need a slope to go on

Its rise over run

Delta y and Delta x, boy it’s fun

We will we will graph you

We will we will graph you

We will we will graph you

**“Trigalicious”**

To the tune of Fergie, “Fergalicious”

Topic: Trigonometry

Four, tres, two, uno

Listen up you all, 'cause this is trig
The math that I'm doing is delicious

Trigalicious definition make them tri’s go oh no
They want my angle so they get their measures from my photo.
You could see me, you can't squeeze me.
I am easy, it’s a breezy.
I got reasons why I solve 'em.
Kids just sohcahtoamy meaning,

Trigalicious (so delicious)
I’ve got an hypotenuse.
And if you were suspicious,
All that is fictitious.
I’ve got adjacents (mmmwwahhh)
Puts them angles on rock, rock.
And my opps. down the block,just to watch what I got (four, tres, two, uno)

Trigalicious (it's hot, hot)
Trigalicious (solve them by my rock)
Trigalicious (I have a choice from what I got)
I'm Trigalicious (s-s-s-ssohhh-cahhh-toaaaa)

Trigalicious def-,
Trigalicious def-,
Trigalicious def- *["def" is echoing]*
Trigalicious definition finds those tricky angles.
They always sohcahtoa me,
Comin' to me call me theta,
I'm the T to the O A, opp. over ad-j.
And can't no other tangent put it down like me.

I'm Trigalicious (so delicious)
My sineis staying vicious
I be up on the board just working on my digits
Be my witness (oh, wee)
I use your hyp.and opp., opp.
And itbeopp. Overhypot., so watch what I got (four, tres, two, uno)

Trigalicious (it's hot, hot)
Trigalicious (solve them by my rock)
Trigalicious (I have choice from what I got)
I'm Trigalicious (hold on check it out)

Cosine, cosine, cosine,
Don’t forget about my rhyme,
It’s Trigonometry.
Maybe then you'll get a taste.
I be adjacent, adjacent,
All over hypotenuse.
It's so easy, easy
It won’t make you crazy.

T to the R, to the I GG Y - , hey you're triggy!T to the R, to the I G G Y -, hey you're triggy! T to the R, to the I G G Y - , hey you're triggy! To the T, to the R, to the, to the, to the, that’s my rap!

**“Pythagoras’ Stanky Leg”**

To the tune of GS Boys, “Stanky Legg”

Topic: Pythagorean Theorem

To get the c squared

Find the stanky leg. Find the stanky leg. Find the stanky leg.

Add the squared sides

Of the stanky leg, of the stanky leg, of the stanky leg.

Square root the result to get the c, to get the c, to get the c.

Now your done, now your done, doing our Pythag.Theorem.

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mathematical Pi Worksheet

**HOW MANY DIGITS OF PI DO YOU KNOW?**

![C:\Documents and Settings\speaker\Local Settings\Temporary Internet Files\Content.IE5\IFRIVC5U\MC900105082[1].wmf]()

Before, watching the video, how many digits of Pi do you know?

After watching the video, list the first thirty digits of Pi. (It is okay if you need to watch the video more than once.)

Do you think you will be able to remember more digits of Pi since you know this video?

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polynomial Worksheet

**What is a Polynomial?**

Directions: Listen to the video and fill in the blanks.

I see \_\_\_\_\_\_\_\_\_\_
Variables, Number exponents
And noticed some signs
And when I see
that \_\_\_\_\_\_\_\_\_
I need to know, oh whatdo I do?

We are \_\_\_\_\_\_\_\_\_\_\_\_\_\_- my friends
And we'll keep on going– \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ -
We can be added
We can be \_\_\_\_\_\_\_\_\_\_\_\_
Multiplied \_\_\_\_\_\_\_\_ divided
'Cause we are \_\_\_\_\_\_\_\_\_\_\_\_\_- of the world -

According to the song, what do you think a polynomial is?

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Factoring Worksheet

**TEACH ME HOW TO FACTOR**

Example 1: Follow along in the video and factor the following problem. Show all your work.

$$-32x+2x^{3}$$

Example 2: Follow along in the video and factor the following problem. Show all your work.

$$x^{2}-11x+18$$

Example 3: Follow along in the video and factor the following problem. Show all your work.

$$x^{2}+2x-15$$

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation of a Line Worksheet

**How do I find an equation of a line?**

Directions: Watch the video and answer the questions that go along with the video.

What is the equation of a line?

What letter represents the y-intercept in the equation of a line?

How do you find the slope?

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Trigonometry Worksheet

**"Trigalicious"**

Directions: Fill in what each trigonometry function is equal to.

1. $\sin(\left(x\right))=\frac{}{}$
2. $\cos(\left(x\right))=\frac{}{}$
3. $\tan(\left(x\right))=\frac{}{}$

What phrase can help you remember these functions? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pythagorean Theorem

**Pythagorean Theorem**

What is the formula for the Pythagorean Theorem?

How do you find what “c” is? Listen to the video and fill in the three steps that you have to do in order to find “c.”

Step 1:

Step 2:

Step 3: