

## The Twelve Days of Solving Quadratics

Original Lyrics by Vicki Young

Adapted by Dr. Jennifer L. Bell

Melody: Twelve Days of Christmas

On the first day of solving quadratics,  
My teacher said to me:  
"Quadratics have two answers you'll see."

On the second day of solving quadratics,  
My teacher said to me:  
"The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the third day of solving quadratics,  
My teacher said to me:  
"Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the fourth day of solving quadratics,  
My teacher said to me:  
"Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the fifth day of solving quadratics,  
My teacher said to me:  
"Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the sixth day of solving quadratics,  
My teacher said to me:  
"Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the seventh day of solving quadratics,  
My teacher said to me:  
"Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the eighth day of solving quadratics,  
My teacher said to me:  
"Use the quadratic formula if not factorable,  
Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the ninth day of solving quadratics,  
My teacher said to me:  
"Use PEMDAS backwards for only one x,  
Use the quadratic formula if not factorable,  
Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the tenth day of solving quadratics,  
My teacher said to me:  
"The discriminant tells us how many roots there are,  
Use PEMDAS backwards for only one x,  
Use the quadratic formula if not factorable,  
Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the eleventh day of solving quadratics,  
My teacher said to me:  
"Your answers are the x-intercepts,  
The discriminant tells us how many roots there are,  
Use PEMDAS backwards for only one x,  
Use the quadratic formula if not factorable,  
Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."

On the twelfth day of solving quadratics,  
My teacher said to me:  
"You are a smart cookie!  
Your answers are the x-intercepts,  
The discriminant tells us how many roots there are,  
Use PEMDAS backwards for only one x,  
Use the quadratic formula if not factorable,  
Set the factors equal to zero,  
Use tic-tac-toe if a is greater than 1,  
Use the X if a equals 1,  
Look for perfect squares,  
Find the GCF and  
The equation must be equal to zero,  
Quadratics have two answers you'll see."