Inspiring Greatness

ISD

INDEPENDENCE SCHOOL DISTRICT

Math Virtual Learning

Algebra 1 S2

April 14th, 2020

Algebra 1 S2

Lesson: April 14th, 2020

Learning Target:

Students will identify a quadratic function from a graph, equation and table

Part 2

Bell Ringer:

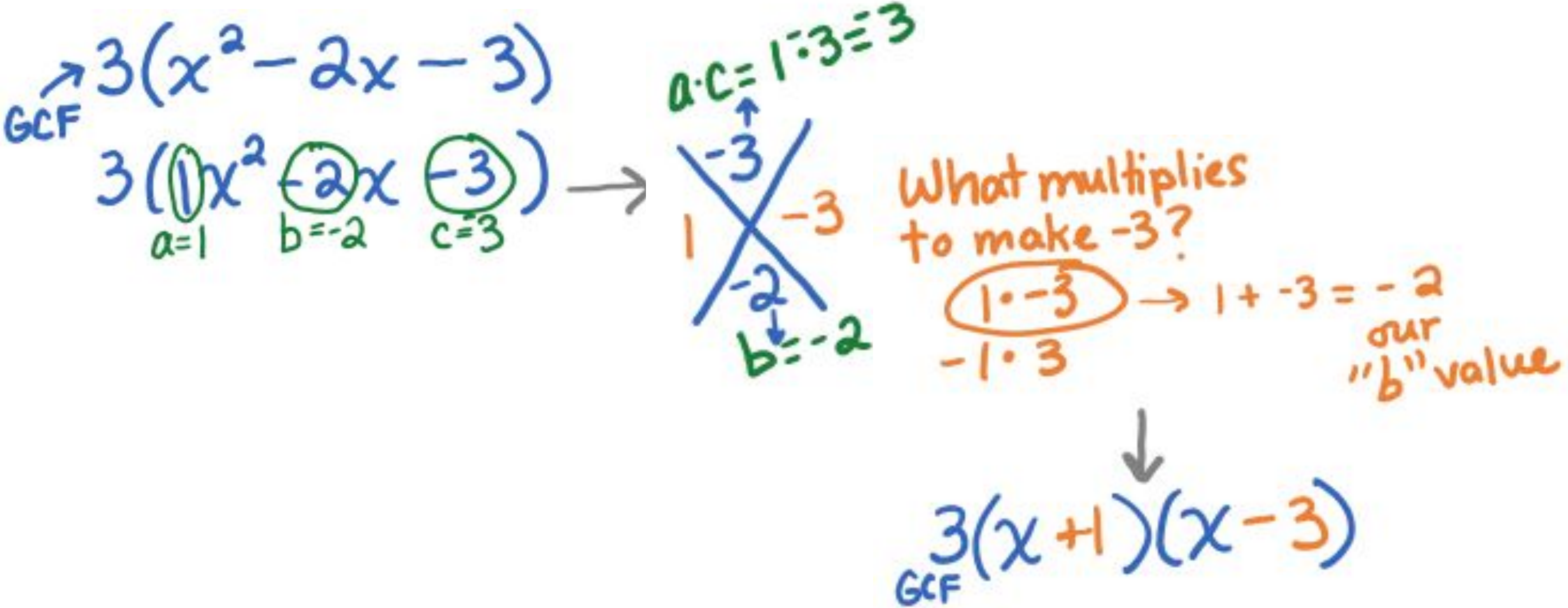
Factor the quadratic equations.

A) $3x^2 - 6x - 9$

B) $5x^2 + 13x - 6$

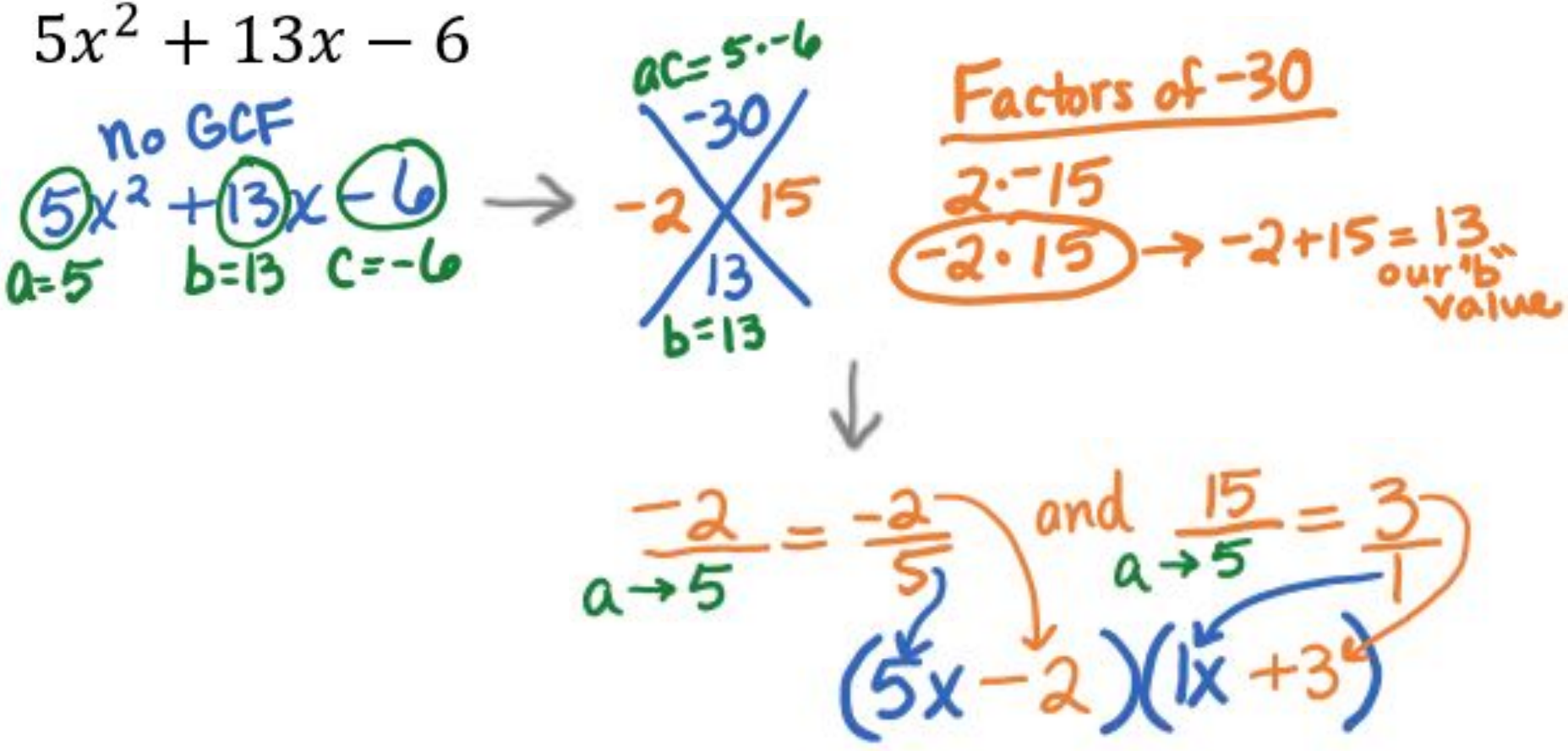
Answer to Bellringer Part A

$$3x^2 - 6x - 9$$



Answer to Bellringer Part B

$$5x^2 + 13x - 6$$



Today our main focus will be identifying whether a table of values is quadratic or not. However, the tables we will work with today will be a bit more challenging.

Check out the video lesson/practice to get started!

The practice problems in the video are found here.

Let's try a few:

Determine if the tables below are quadratic:

1.

x	y
-1	4
0	1
1	4
2	13
3	28

2.

x	y
2	5
4	7
6	11
8	17
10	25

Let's try a few:

Determine if the tables below are quadratic:

3.

x	y
5	5
6	7
7	9
8	11
9	13

4.

x	y
-3	60
-2	56
-1	48
0	36
1	20

Let's try a few:

Determine if the tables below are quadratic:

5.

x	y
-4	11
-2	-1
0	-5
2	-1
4	11

6.

x	y
5	1
6	2
7	3
8	5
9	8

Let's try a few:

Determine if the tables below are quadratic:

7.

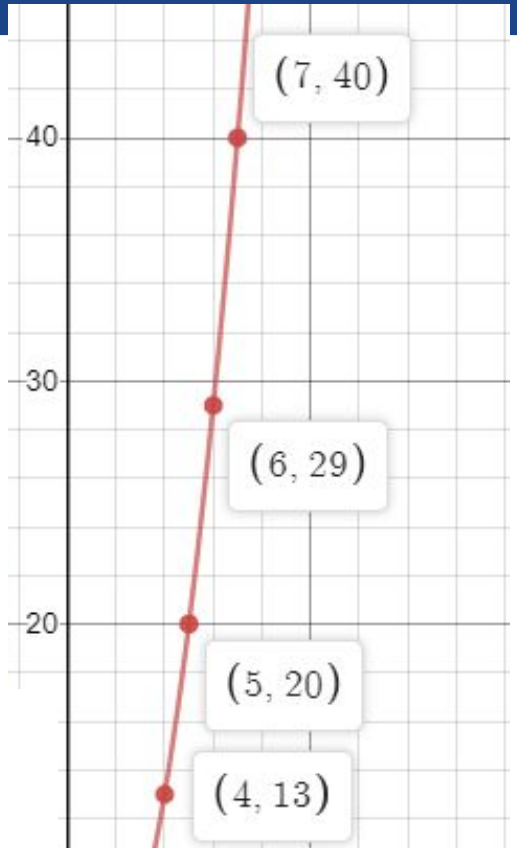
x	y
5	13
6	11
7	7
8	1
9	-7

8.

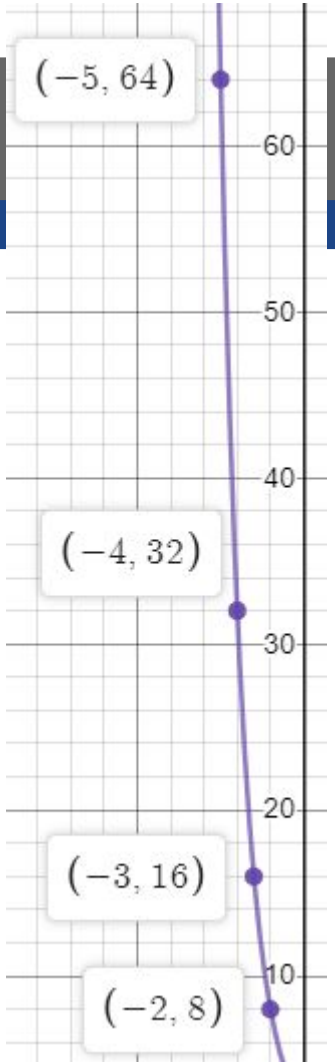
x	y
1	500
2	250
3	125
4	62.5
5	31.25

Use the graphs below to determine if it is a quadratic function:

A)

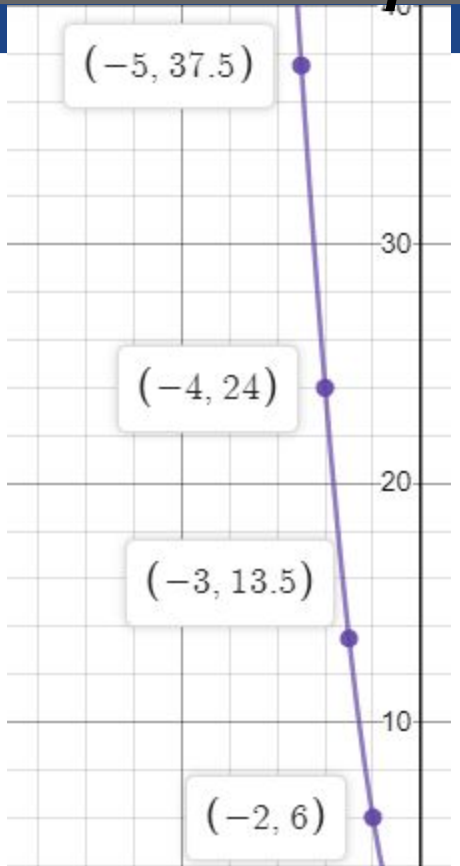


B)

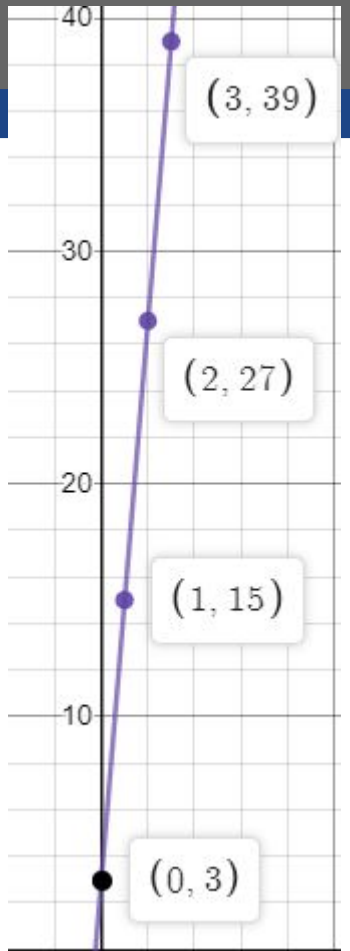


Use the graphs below to determine if it is a quadratic function:

C)



D)



More Practice

See what you know!

Is a table linear, exponential or quadratic?

Complete the table of a quadratic function

****This practice includes worked-out examples, hints and allows you to check your answer!**