

Function Sort Activity

Name: _____

Students work in groups and each group is given all of the cards and must match the correct graph, table and function. They should be discussing how they know they have the correct matches.

Function	Table	Graph
		7
		16
		13
		36
		9
		10
		3
		6
		21
		23
		20
		27

Write a paragraph about what you learned from this activity.

1

$$y = 2^x - 3$$

2

$$y = 2^{-x} - 3$$

25

$$y = 2x^2$$

28

$$y = 2x^{0.5}$$

33

$$y = 2$$

8

$$y = -2x^{0.5}$$

5

$$y = 2x - 3$$

22

$$y = -2x - 3$$

11

$$y = 2x^2 - 3$$

17

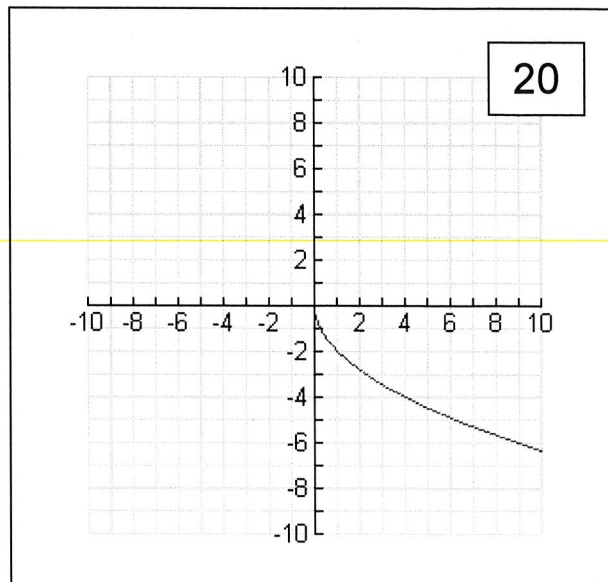
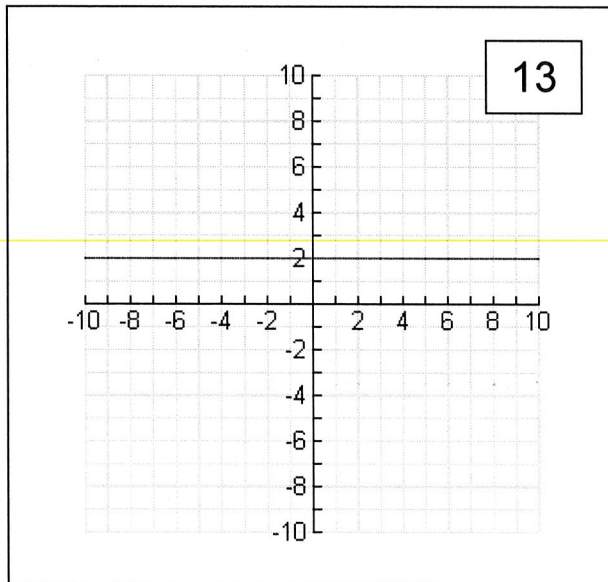
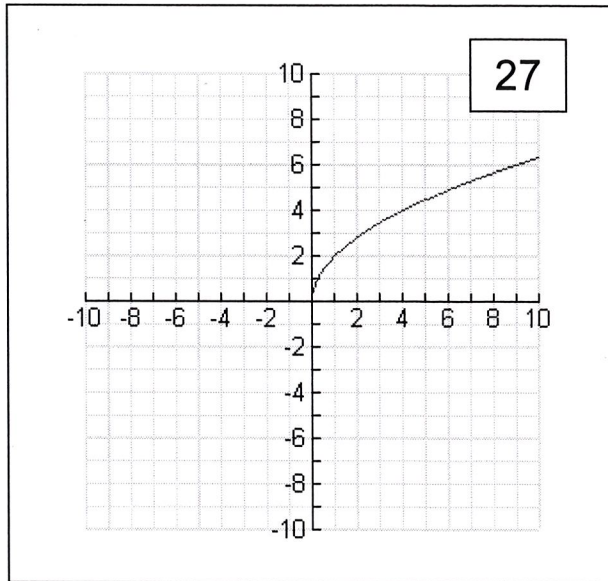
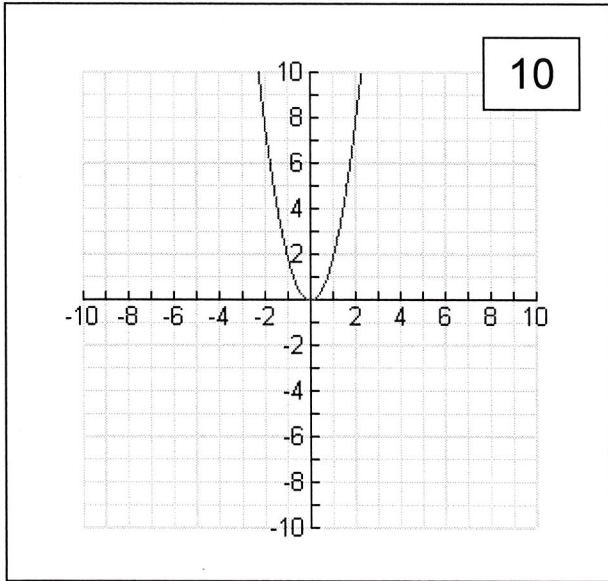
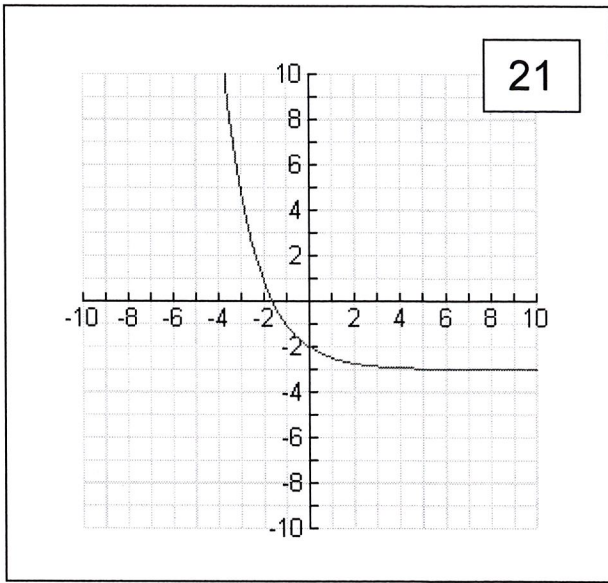
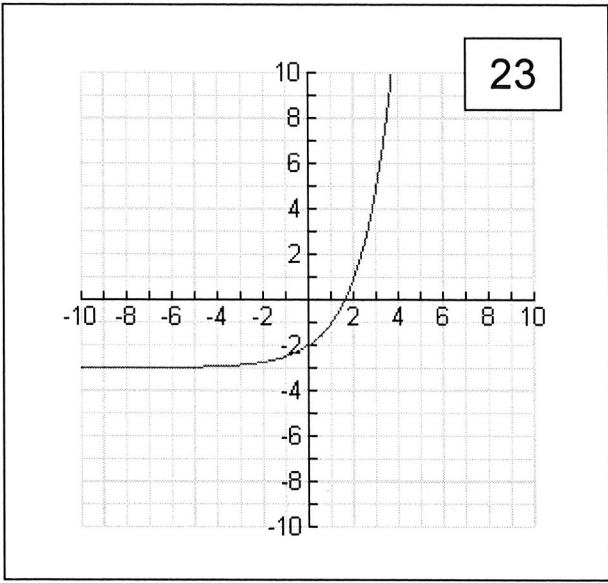
$$y = -2x^2 - 3$$

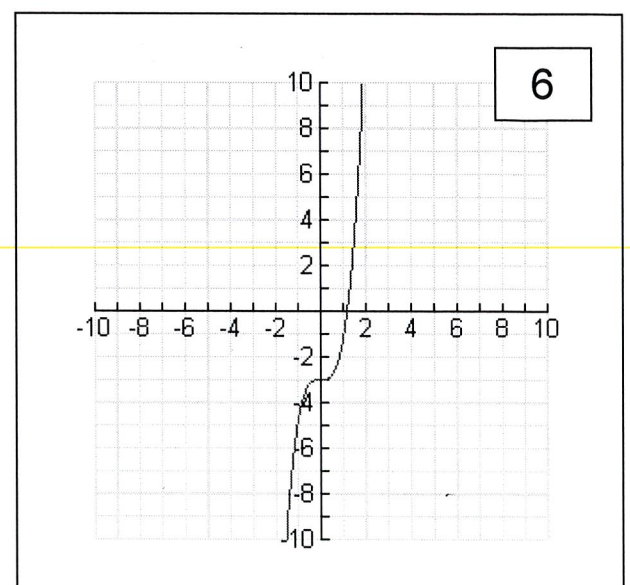
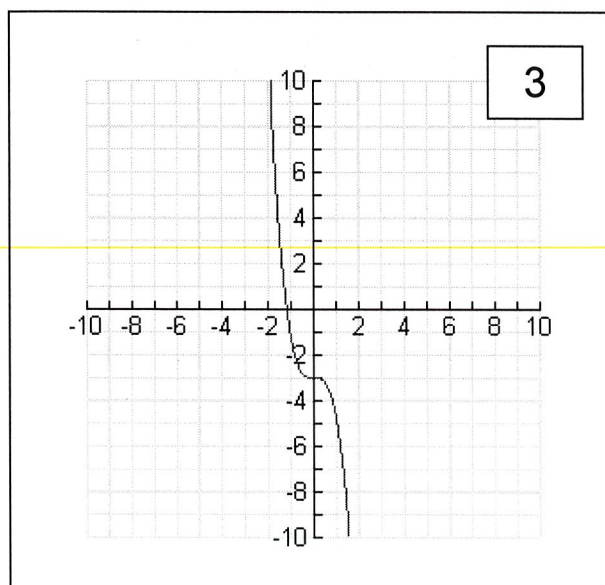
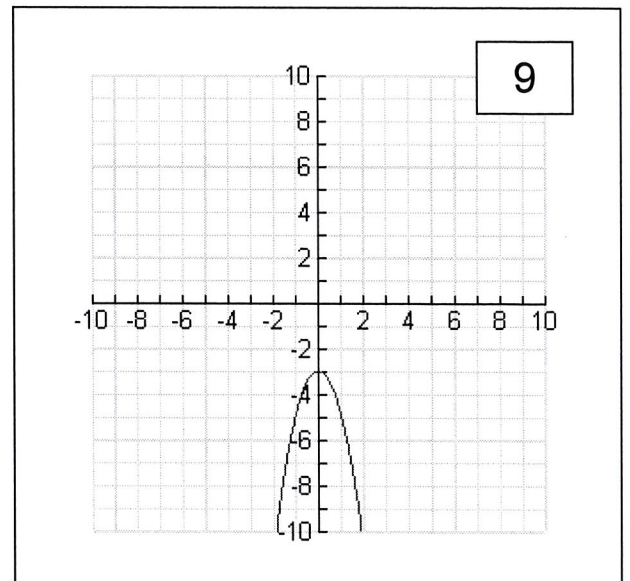
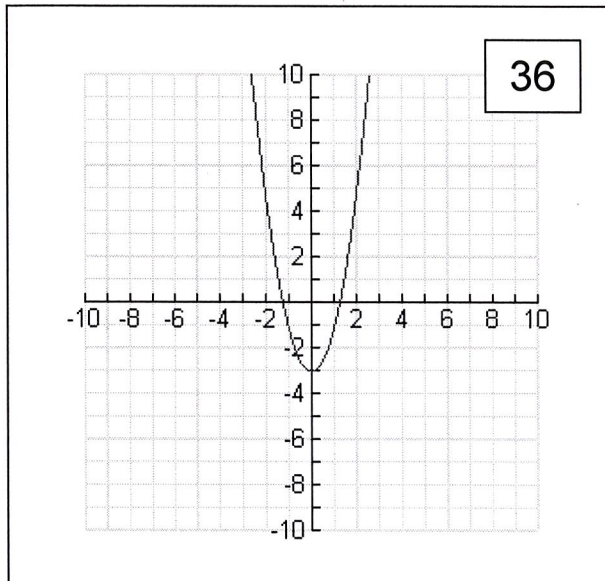
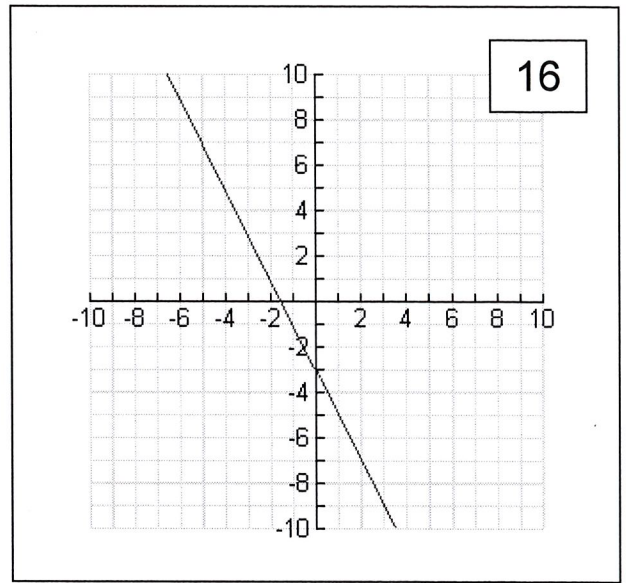
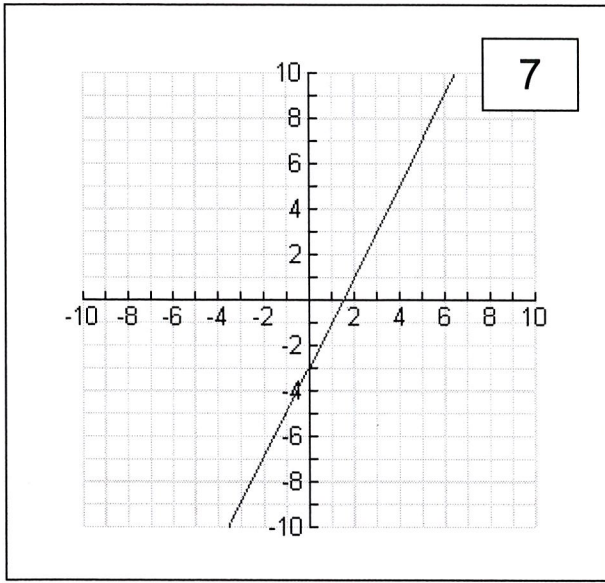
30

$$y = -2x^3 - 3$$

31

$$y = 2x^3 - 3$$





4

X	Y
-9	-2.998...
-6	-2.984...
-3	-2.875
0	-2
3	5
6	61
9	509

29

X	Y
-9	509
-6	61
-3	5
0	-2
3	-2.875
6	-2.984...
9	-2.998...

14

X	Y
-9	162
-6	72
-3	18
0	0
3	18
6	72
9	162

19

X	Y
-9	Not defined
-6	Not defined
-3	Not defined
0	0
3	3.4641
6	4.899
9	6

18

X	Y
-9	2
-6	2
-3	2
0	2
3	2
6	2
9	2

15

X	Y
-9	Not defined
-6	Not defined
-3	Not defined
0	0
3	-3.4641
6	-4.899
9	-6

FUNCTION SORT CARDS...PRINT THEM OUT & MATCH THEM UP

12

X	Y
-9	-21
-6	-15
-3	-9
0	-3
3	3
6	9
9	15

26

X	Y
-9	15
-6	9
-3	3
0	-3
3	-9
6	-15
9	-21

35

X	Y
-9	159
-6	69
-3	15
0	-3
3	15
6	69
9	159

34

X	Y
-9	-165
-6	-75
-3	-21
0	-3
3	-21
6	-75
9	-165

24

X	Y
-9	1455
-6	429
-3	51
0	-3
3	-57
6	-435
9	-1461

32

X	Y
-9	-1461
-6	-435
-3	-57
0	-3
3	51
6	429
9	1455