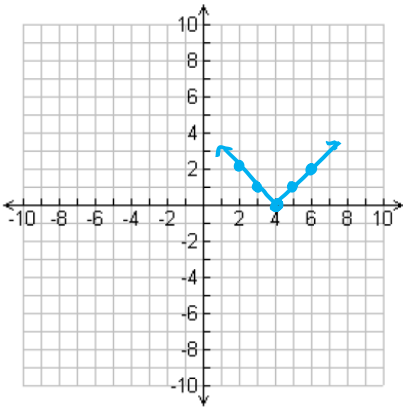


Day 31 - Graphing Absolute Value Equations Homework

(1-4) Graph the parent function $y = |x|$. Then graph and describe the transformation of the parent function.

1. $y = |x - 4|$

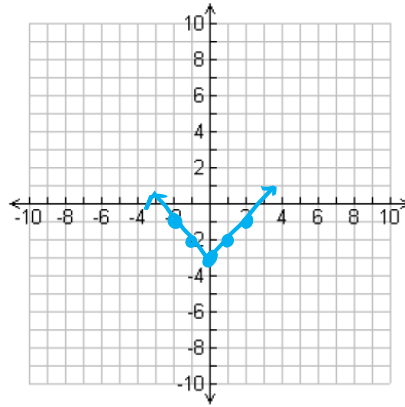


x	y
2	2
3	1
4	0
5	1
6	2

Transformation:

Right 4 units

2. $y = |x| - 3$



x	y
-2	-1
-1	-2
0	-3
1	-2
2	-1

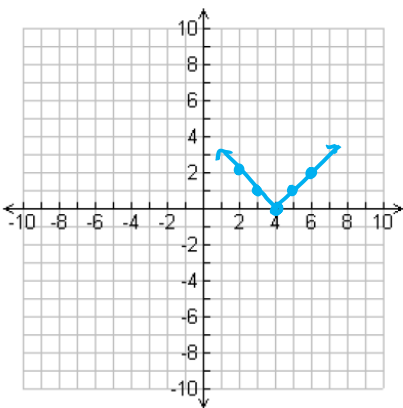
Transformation:

Down 3 units

Day 31 - Graphing Absolute Value Equations Homework

(1-4) Graph the parent function $y = |x|$. Then graph and describe the transformation of the parent function.

1. $y = |x - 4|$

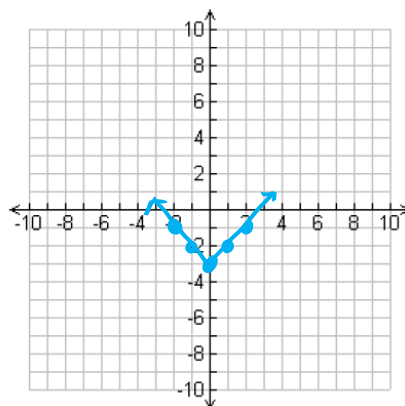


x	y
2	2
3	1
4	0
5	1
6	2

Transformation:

Right 4 units

2. $y = |x| - 3$

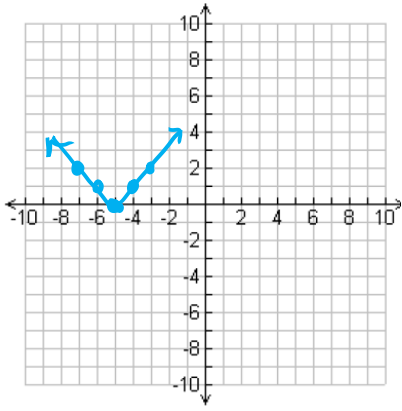


x	y
-2	-1
-1	-2
0	-3
1	-2
2	-1

Transformation:

Down 3 units

3. $y = |x+5|$

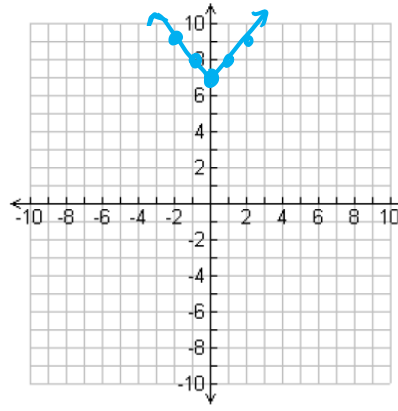


x	y
-7	2
-6	1
-5	0
-4	1
-3	2

Transformation:

Left 5 units

4. $y = |x| + 7$

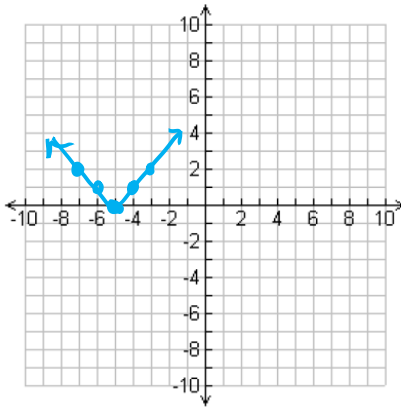


x	y
-2	9
-1	8
0	7
1	8
2	9

Transformation:

up 7 units

3. $y = |x+5|$

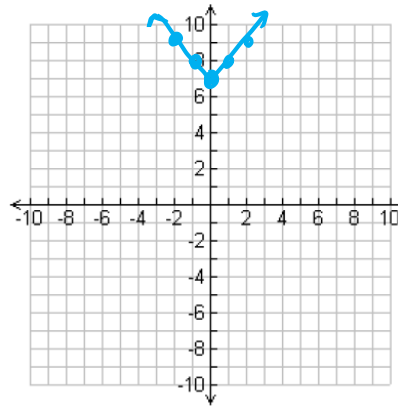


x	y
-7	2
-6	1
-5	0
-4	1
-3	2

Transformation:

Left 5 units

4. $y = |x| + 7$



x	y
-2	9
-1	8
0	7
1	8
2	9

Transformation:

up 7 units