

**SM2H 1.5 answers 2019-2020**

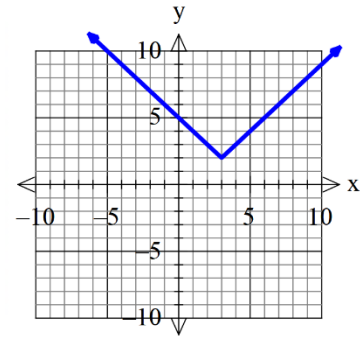
1.  $(3, -1)$
2.  $(5, -1)$
3.  $(7, -0.5)$
4.  $(9, 1)$
5.  $(7, 1)$
6.  $(10, 2)$
7.  $(9, 3)$
8.  $(6, 4)$
9.  $(3, 4)$
10.  $(2, 6)$
11.  $(0, 7)$
12.  $(0, 4)$
13.  $(-6, 3)$
14.  $(-7, 6)$
15.  $(-8, 7)$
16.  $(-8, 2)$
17.  $(-9, -2)$
18.  $(-6, 1)$
19.  $(1, -0.5)$
20.  $(1, 1)$
21.  $(1, -3)$
22.  $(3, -1)$
23.  $(4, 1)$
24.  $(7, 3)$
25. picture
26. Quadratic, vertical stretch of 2, translate right 3 and up 5, G
27. Square root, translate right 7 and up 2, I
38. Absolute value, translate left 2 and down 4, J
29. Quadratic, reflect over x-axis, translate right 5 and up 3, C
30. absolute value, reflect over y-axis, vertical stretch of 2, translate right 4, , B
31. absolute value, vertical stretch of 2, translate right 4 and up 2, D
32. quadratic, reflect over x-axis, vertical shrink of  $\frac{1}{2}$ , translate right 3 and up 5, L
33. square root, reflect over y-axis, translate down 1, E
34. square root, translate left 7 and up 2, K
35. square root, reflect over x-axis, translate up 1, A
36. absolute value, reflect over x-axis, translate right 4, F
37. quadratic, translate left 5 and down 3, H
38. -2
- 39 A)  $y - 6 = 3(x - 2)$   
B)  $y = 3x$

40.

Transformations:  
Right 3  
Up 2

Vertex: (3, 2)

$x$	$y$
1	4
2	3
3	2
4	3
5	4

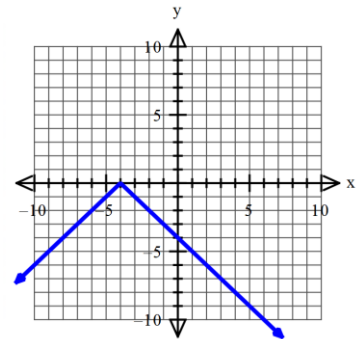


41.

Transformations:  
Reflect over x axis  
Left 4

Vertex (-4, 0)

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

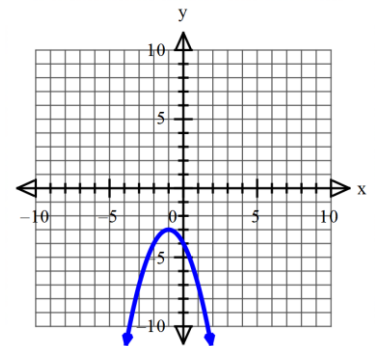


42.

Transformations:  
Reflect over x axis  
Left 1  
Down 3

Vertex (-1, -3)

$x$	$y$
-3	-7
-2	-4
-1	-3
0	-4
1	-7

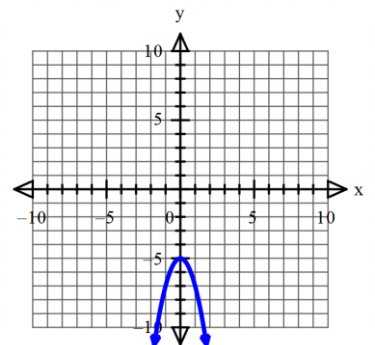


43.

Transformations:  
Reflect over x axis  
Vertical Stretch of 2  
Down 5

Vertex (0, -5)

$x$	$y$
-2	-13
-1	-7
0	-5
1	-7
2	-13

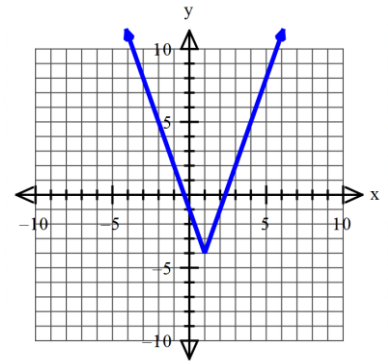


44.

Transformations:  
 Vertical Stretch of 3  
 Right 1  
 Down 4

Vertex (1, -4)

$x$	$y$
-1	2
0	-1
1	-4
2	-1
3	-2

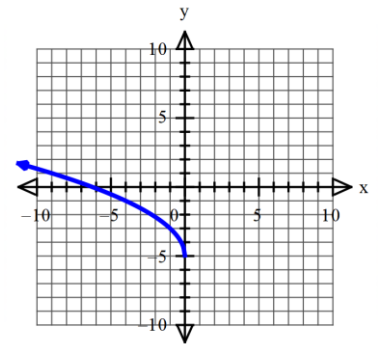


45.

Transformations:  
 Vertical Stretch of 2  
 Reflect over the y axis  
 Down 5

Endpoint (0, -5)

$x$	$y$
0	-5
-1	-3
-4	-1
-9	1



46.

Transformations:  
 Vertical Shrink of  $\frac{1}{2}$   
 Right 3  
 Up 4

Vertex (3, 4)

$x$	$y$
1	6
2	4.5
3	4
4	4.5
5	6

$\frac{1}{2}$

