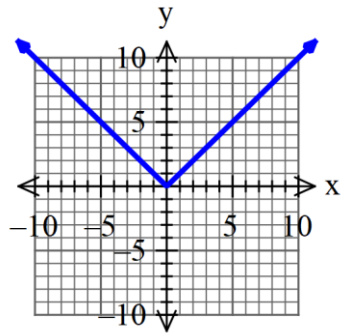


**SM3 2.5 odd answers**

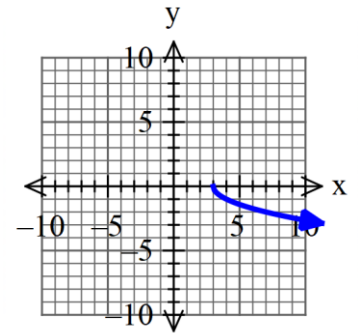
1.

$x$	$f(x)$
-2	2
-1	1
0	0
1	1
2	2



9.

$x$	$f(x)$
3	0
4	-1
7	-2
12	-3
19	-4

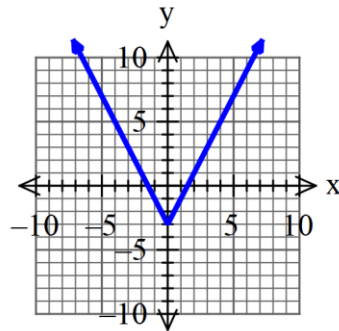


$x$ -intercept:  $(3, 0)$ ,  $y$ -intercept: none

Domain:  $[3, \infty)$ , Range:  $(-\infty, 0]$

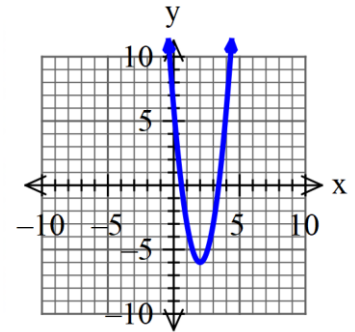
3.

$x$	$f(x)$
1	-1
$\frac{1}{2}$	-2
0	-3
$-\frac{1}{2}$	-2
-1	-1



11.

$x$	$f(x)$
0	6
1	-3
2	-6
3	-3
4	6



Minimum  $(0, -3)$

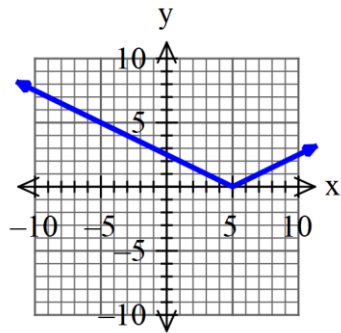
Domain:  $(-\infty, \infty)$ , Range:  $[-3, \infty)$

NO,

Domain:  $(-\infty, \infty)$ , Range:  $[-6, \infty)$

5.

$x$	$f(x)$
3	1
4	$\frac{1}{2}$
5	0
6	$\frac{1}{2}$
7	1

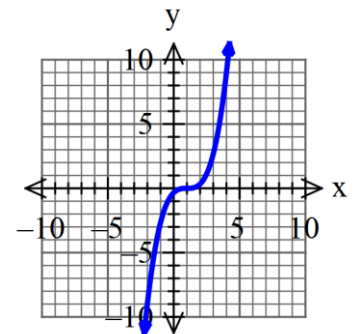


Positive:  $(-\infty, 5) \cup (5, \infty)$

Domain:  $(-\infty, \infty)$ , Range:  $[0, \infty)$

13.

$x$	$f(x)$
-1	$-2\frac{2}{3}$
0	$-\frac{1}{3}$
1	0
2	$\frac{1}{3}$
3	$2\frac{2}{3}$

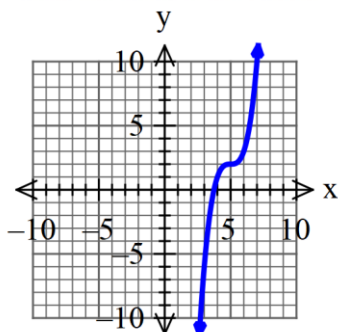


Positive:  $(1, \infty)$ , Negative:  $(-\infty, 1)$

Domain:  $(-\infty, \infty)$ , Range:  $(-\infty, \infty)$

7.

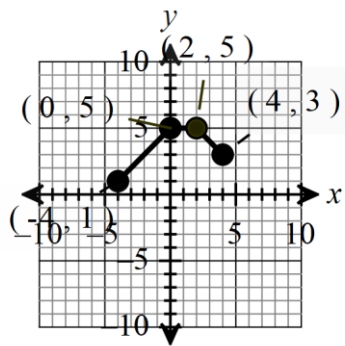
$x$	$f(x)$
3	-6
4	1
5	2
6	3
7	10



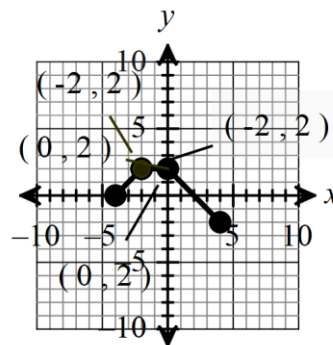
NO,

Domain:  $(-\infty, \infty)$ , Range:  $(-\infty, \infty)$

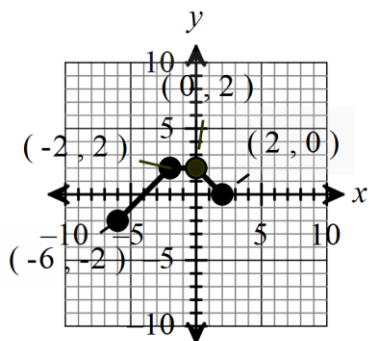
15a.



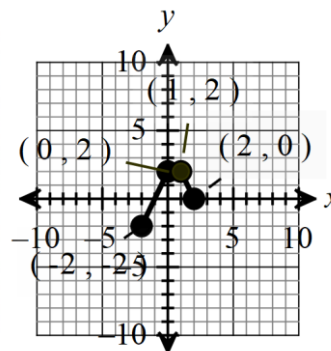
15f.



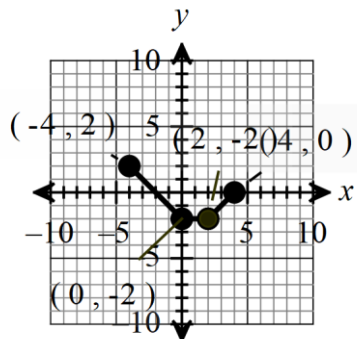
15b.



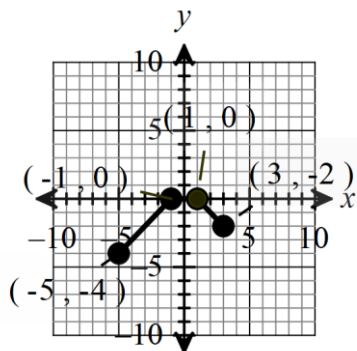
15g.



15c.



15d.



15e.

