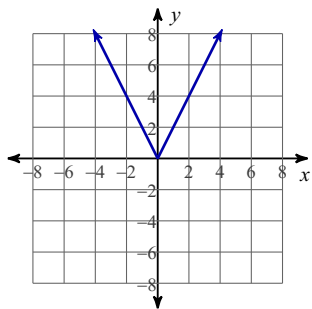
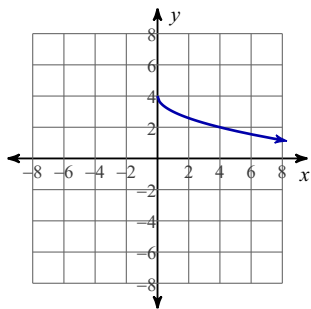


## Answers to HW32: Unit 4 Review

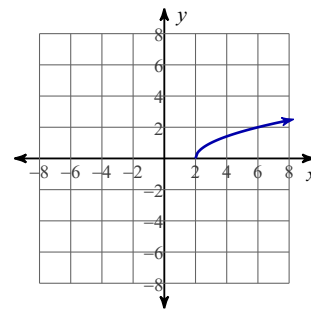
1)



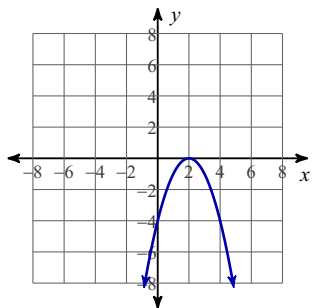
2)



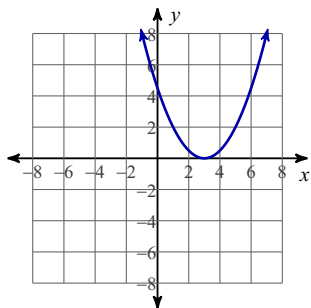
3)



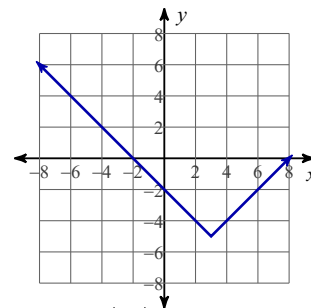
4)



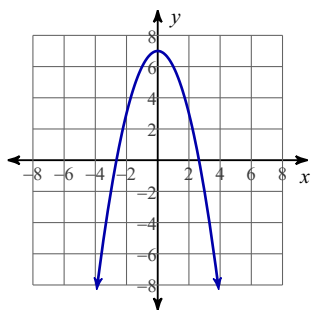
5)



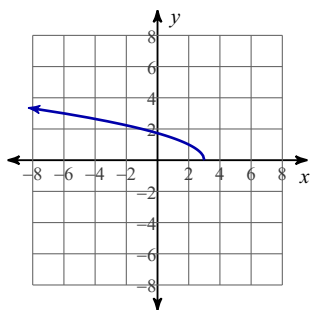
6)



7)



8)



9)  $f(x) = |x| - 6$

10)  $f(x) = \sqrt{-x}$

11)  $f(x) = 2x^2$

12)  $f(x) = (x-4)^2$

13)  $f(x) = -|x|$

14)  $f(x) = 3x - 1$

15)  $f(x) = |x|$

16)  $f(x) = |x-5|$

17)  $f(x) = |x-4| + 2$

18)  $f(x) = (x-2)^2 - 5$

19)

20) special relation where each input matches exactly one output

21) If a vertical line touches a graph more than once, it is not a function.

22) 20

23) 12

24) 5

25) -18

26)  $x = 3$

27)  $x = \frac{7}{3}$

28)  $x = -\frac{1}{2}, -\frac{13}{2}$

29)  $x = \frac{11}{3}, 3$