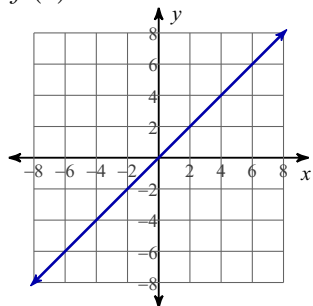
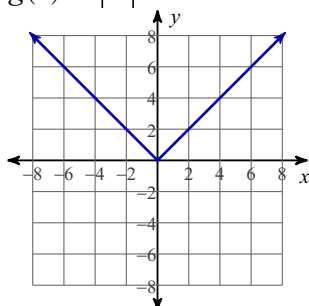


Answers to HW29 Vertical Shifts

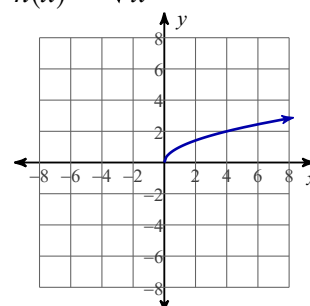
1) $f(x) = x$



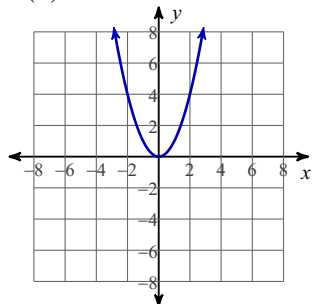
2) $g(x) = |x|$



3) $h(x) = \sqrt{x}$



4) $h(x) = x^2$



- 5) Parent: abs. value
The function shifts up 4 units.

- 6) Parent: abs. value
The function shifts down 3 units.

- 8) Parent: quadratic
The function shifts up 8 units.

- 10) Parent: square root
The function shifts down 17 units.

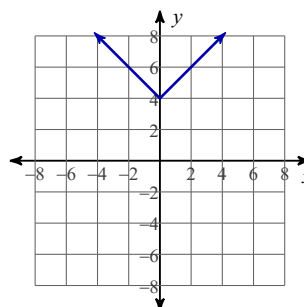
- 12) Parent: abs. value
The function shifts up 200 units.

- 7) Parent: abs. value
The function shifts up 9 units.

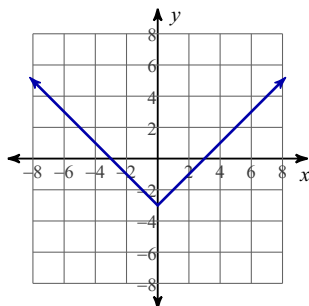
- 9) Parent: square root
The function shifts down 3 units.

- 11) Parent: quadratic
The function shifts down 20 units.

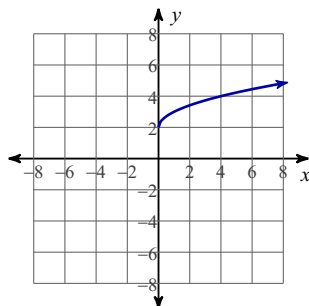
13)



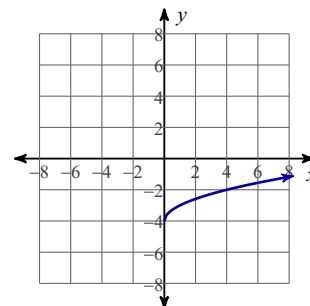
14)



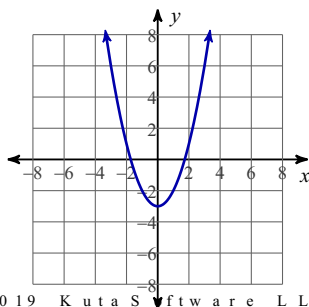
15)



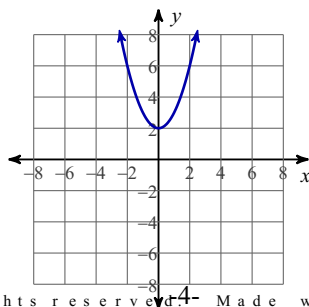
16)



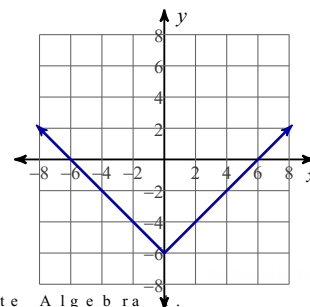
17)



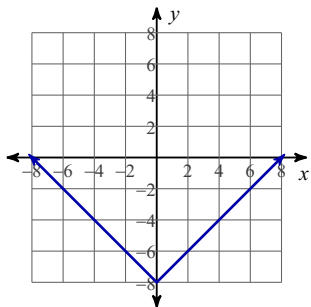
18)



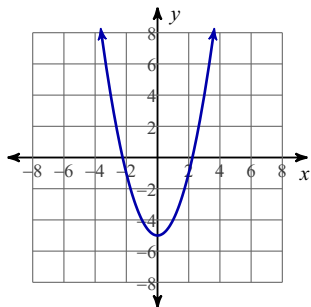
19)



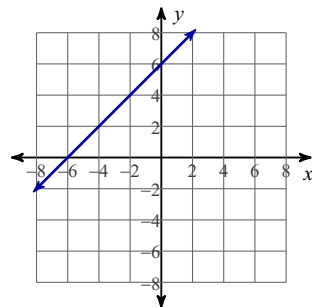
20)



21)



22)



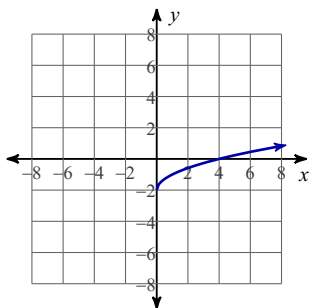
23) Shift up 2

24) Shift up 13

25) Shift down 8

26) Shift down 203

27)



28)

