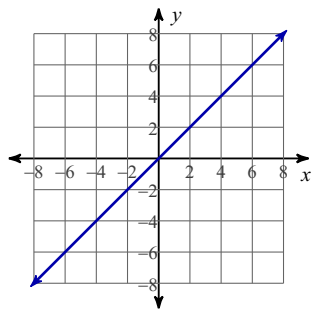
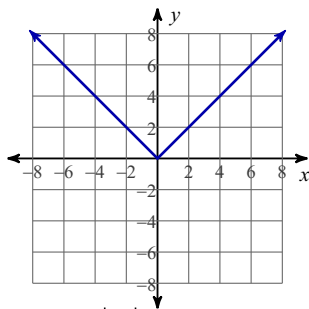


Answers to HW31: Horizontal Shifts

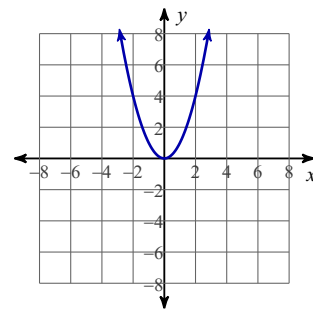
1)



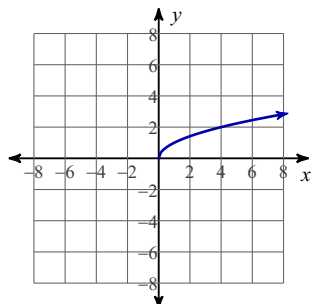
2)



3)



4)



5) $p(x) = |x|$; shift right 2

6) $p(x) = x^2$; shift right 12

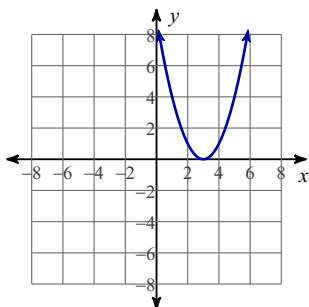
7) $p(x) = |x|$; shift left 7

8) $p(x) = \sqrt{x}$; reflect across x-axis

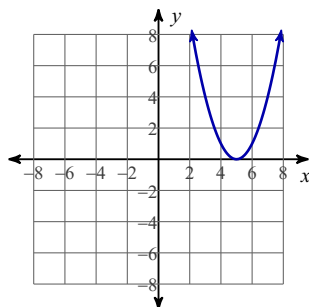
9) $p(x) = |x|$; shift left 100

10) $p(x) = \sqrt{x}$; reflect across y-axis

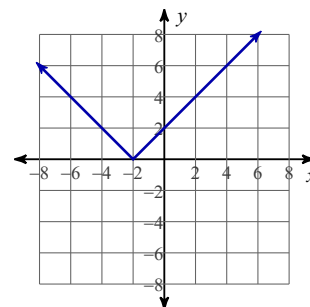
11)



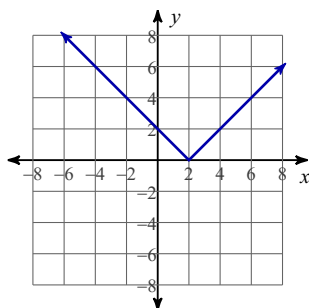
12)



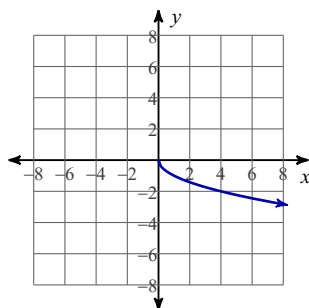
13)



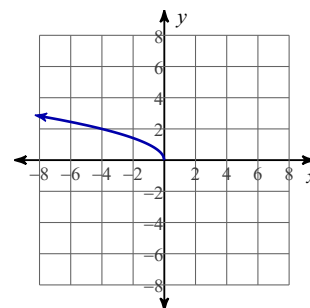
14)



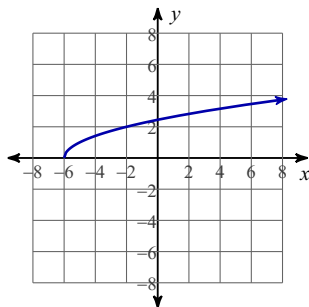
15)



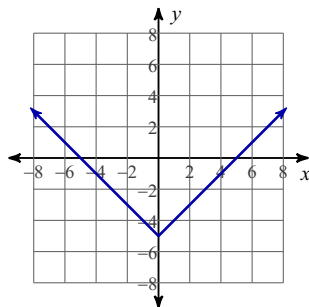
16)



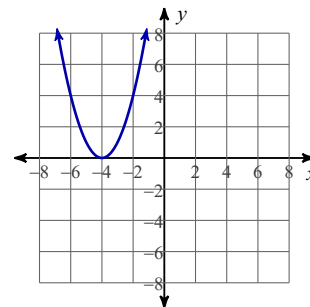
17)



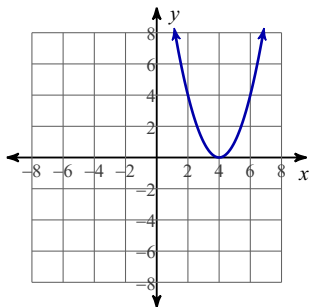
18)



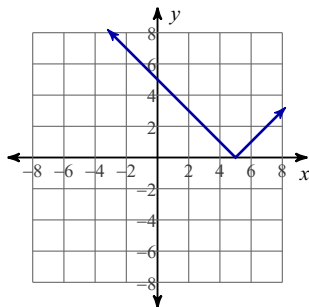
19)



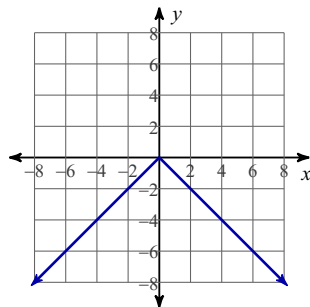
20)



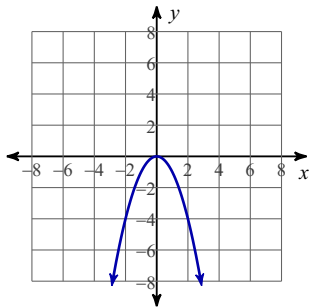
21)



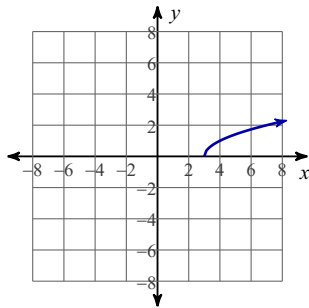
22)



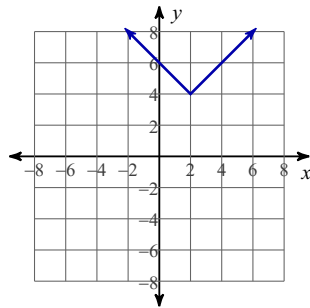
23)



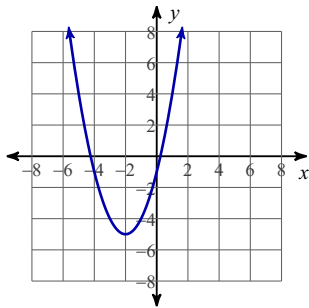
24)



25)



26)



27) 0

28) $-\frac{28}{27}$

29) $-\frac{19}{25}$

30) $\frac{4}{29}$