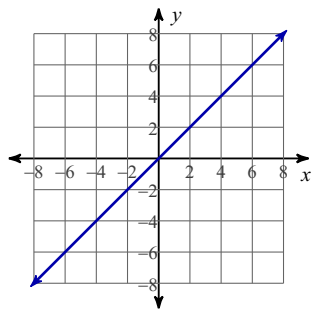
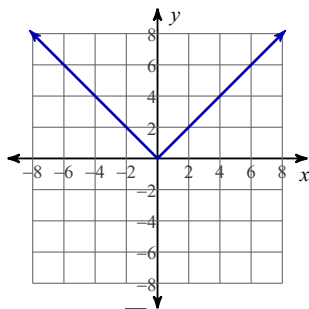


Answers to HW30: Reflections

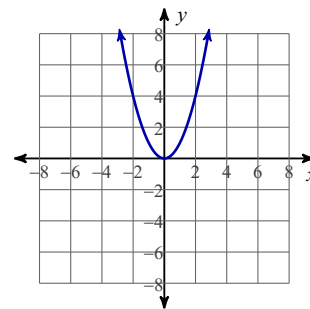
1)



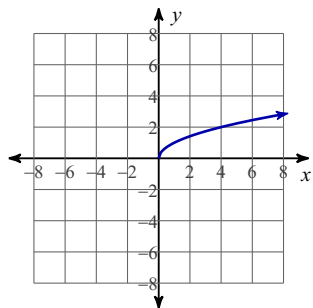
2)



3)



4)



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

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

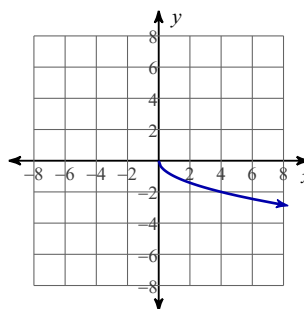
7) $p(x) = |x|$; reflect across x-axis and shift down 7

8) $p(x) = |x|$; reflect across x-axis and shift up 2

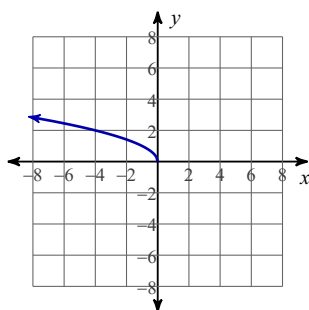
9) $p(x) = \sqrt{x}$; reflect across both axes and shift up 10

10) $p(x) = x^2$; reflect across x-axis and shift up 16

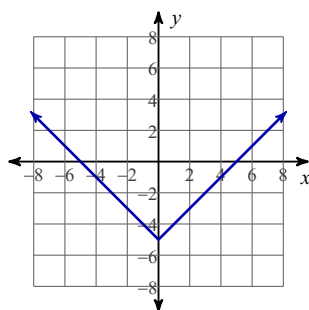
11)



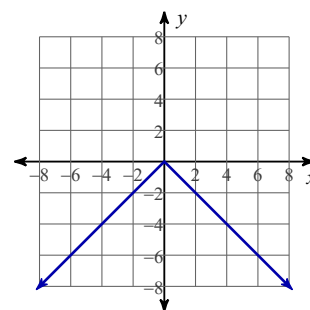
12)



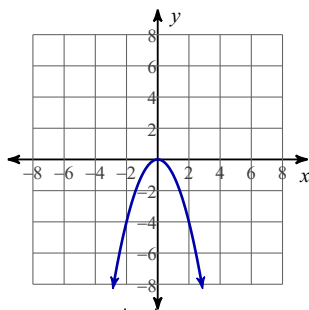
13)



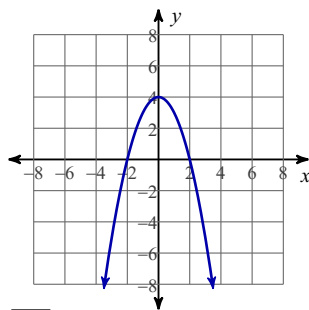
14)



15)



16)



17) $f(x) = x^2 - 7$

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

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

20) $f(x) = |x| + 3$

21)

$22)$

$26) \{5\}$

$30) y = -3x + 4$

$23) \{-5\}$

$27) y = 3x - 8$

$24) \{5\}$

$28) y = -\frac{3}{2}x - 5$

$25) \{-8\}$

$29) y = -\frac{9}{4}x + 5$