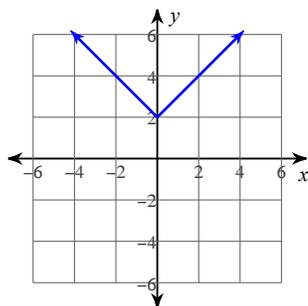


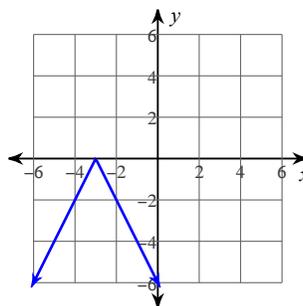
Answers to 8.1 Graphing Transformations

1)

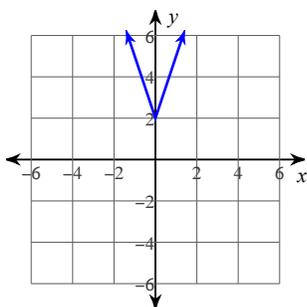
3)



5)



7)



9) reflect across the x-axis
translate down 1 unit

11) reflect across the x-axis
translate left 2 units
translate up 1 unit

13) expand vertically by a factor of 2
reflect across the x-axis
translate right 2 units
translate up 3 units

$$15) g(x) = 2(x - 1)^2 - 2$$

$$17) g(x) = -2(x + 3)^2 + 2$$

19) Parent: $f(x) = x^2$
 $g(x) = -(x - 3)^2$

21) Parent: $f(x) = |x|$
 $g(x) = -3|x - 2|$