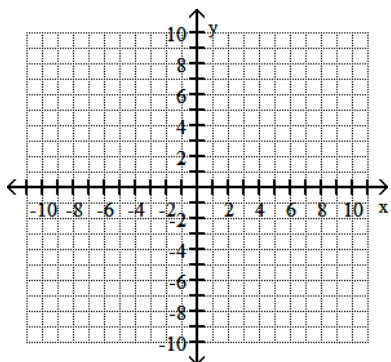


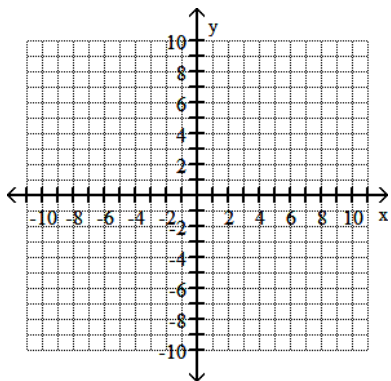
MAC1140 Pre Calculus Algebra  
2.5 Transformation of Functions. Practice 01.

Begin by graphing the standard quadratic function  $f(x) = x^2$ . Then use transformations of this graph to graph the given function.

1)  $h(x) = (x + 4)^2 - 5$

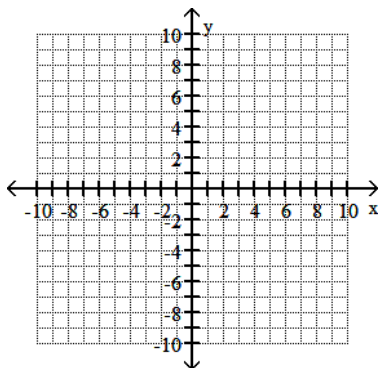


2)  $g(x) = -\frac{1}{3}(x - 2)^2 + 3$



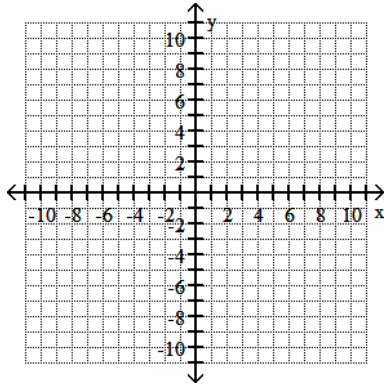
Begin by graphing the standard square root function  $f(x) = \sqrt{x}$ . Then use transformations of this graph to graph the given function.

3)  $h(x) = \sqrt{-x + 2} - 1$



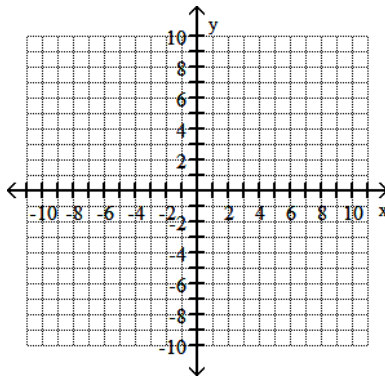
Begin by graphing the standard absolute value function  $f(x) = |x|$ . Then use transformations of this graph to graph the given function.

$$4) g(x) = \frac{1}{3}|x + 2| + 6$$



Begin by graphing the standard cubic function  $f(x) = x^3$ . Then use transformations of this graph to graph the given function.

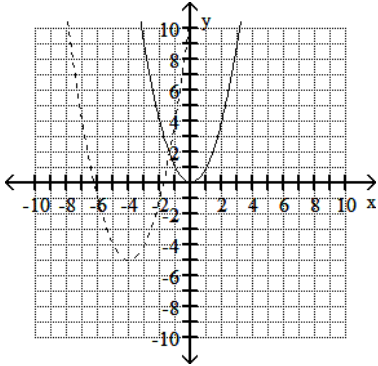
$$5) h(x) = (x - 3)^3 + 3$$



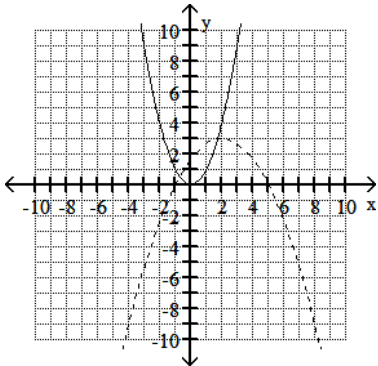
Answer Key

Testname: PRACTICE01

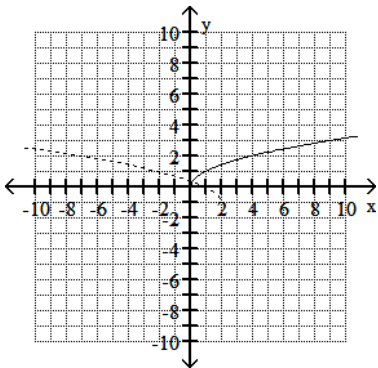
1)



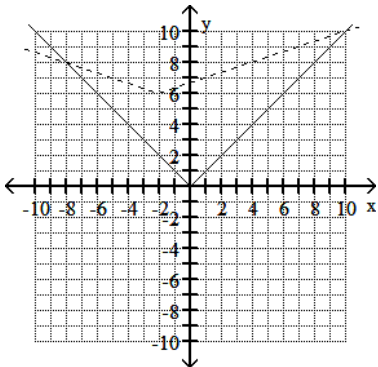
2)



3)



4)



Answer Key

Testname: PRACTICE01

5)

