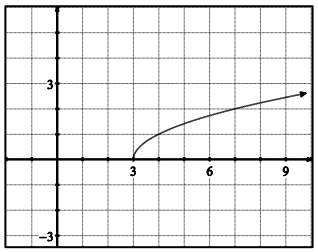
Unit 9

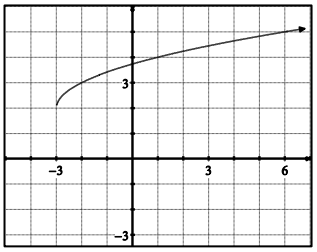
GRAPHING RADICAL EQUATIONS HW

(#1-9) Match the equation with given graph.

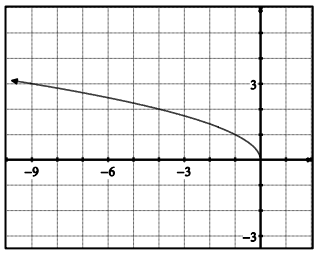
A)



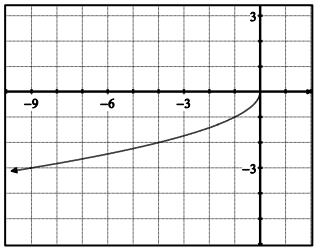
B)



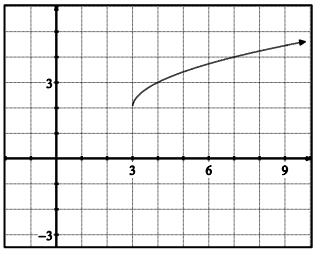
C)



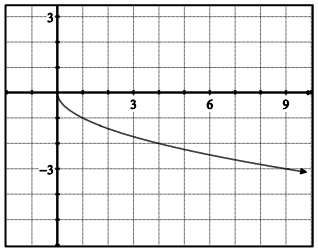
D)



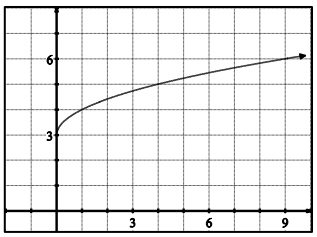
E)



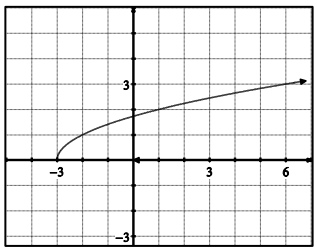
F)



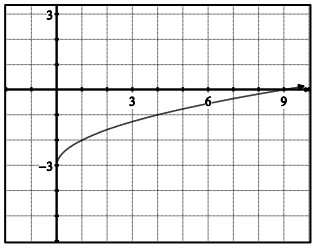
G)



H)



I)



I 1) $y=\sqrt{x}-3$

A 2) $y=\sqrt{x-3}$

H 3) $y=\sqrt{x+3}$

G 4) $y=\sqrt{x}+3$

F 5) $y=-\sqrt{x}$

C 6) $y=\sqrt{-x}$

B 7) $y=\sqrt{x+3}+2$

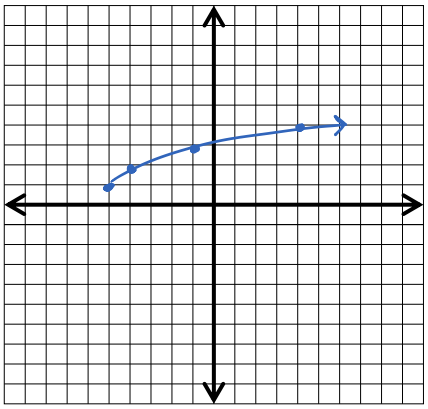
E 8) $y=\sqrt{x-3}+2$

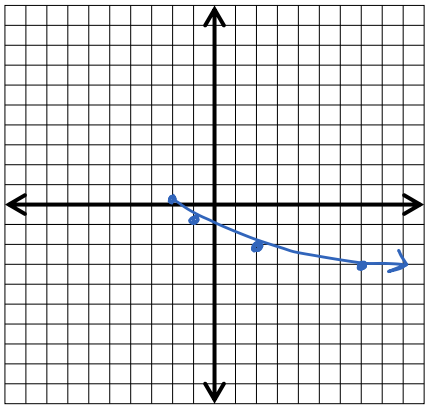
D 9) Equation not Displayed

(#13-15) Describe the transformation on the parent function. Then, graph the function.

13) $y=\sqrt{x+5}+1$

← 5
↑ 1



14) $y=-\sqrt{x+2}$

reflect over x-axis
← 2