

Precalculus Unit 1: 1.4 Homework Graph Transformations

Match each equation with the matching graph. Do not use a graphing utility.

1. _____ $f(x) = \sqrt{x-3} + 2$

2. _____ $f(x) = \sqrt{x}$

3. _____ $f(x) = \sqrt{x+3} + 2$

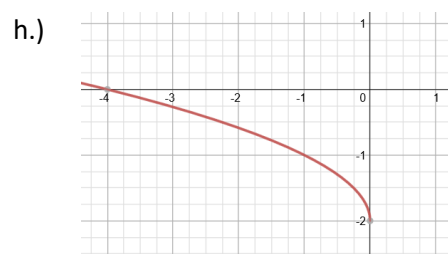
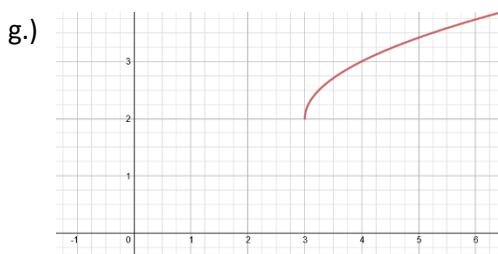
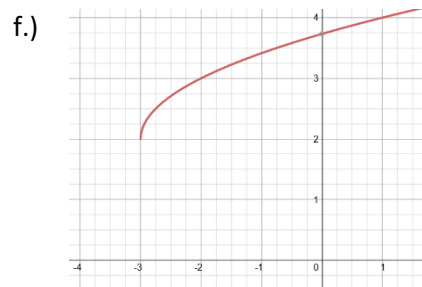
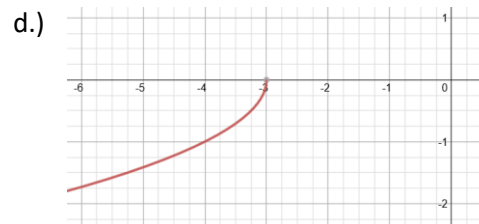
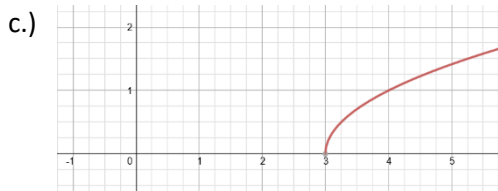
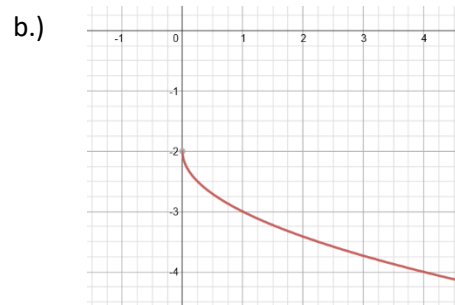
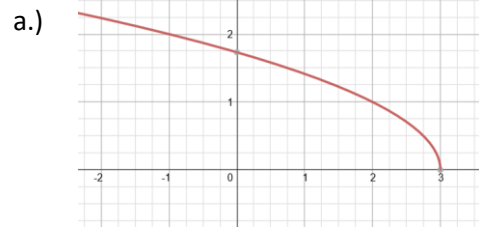
4. _____ $f(x) = \sqrt{-x+3}$

5. _____ $f(x) = \sqrt{x-3}$

6. _____ $f(x) = -\sqrt{x} - 2$

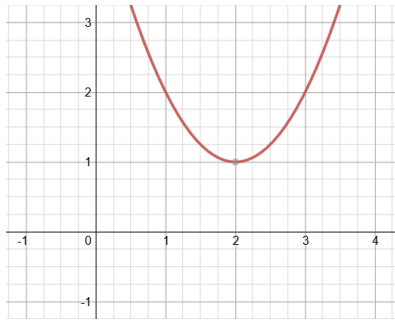
7. _____ $f(x) = \sqrt{-x} - 2$

8. _____ $f(x) = -\sqrt{-x-3}$



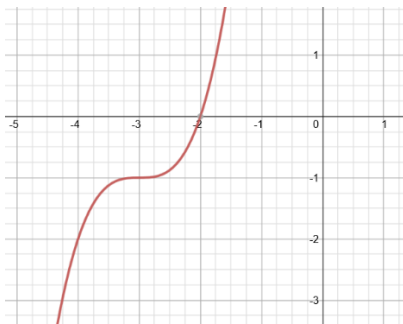
For each graph pictured, write an equation. Do not use a graphing utility.

9.



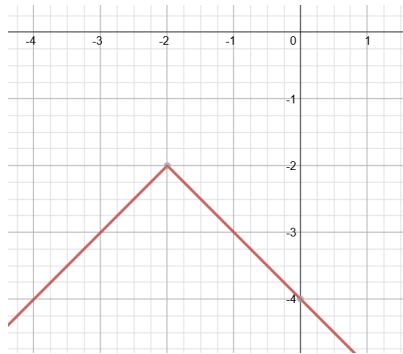
Equation: _____

10.



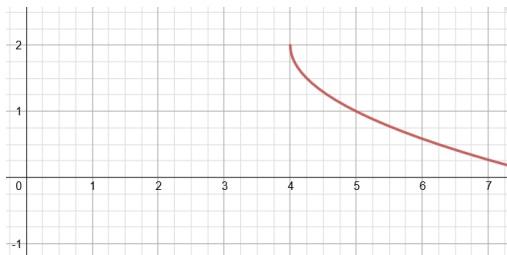
Equation: _____

11.



Equation: _____

12.



Equation: _____