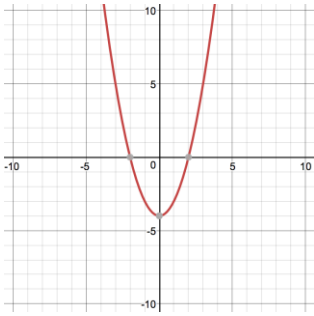


4.2 Part A Transformations Name _____ Hr _____
Match each function with its graph. For EACH graph, state the parent function and the transformations from the parent function.

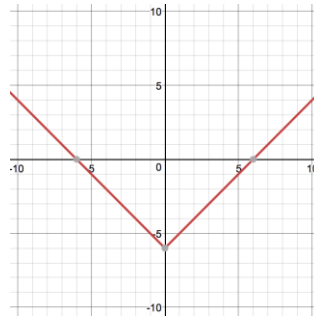
- _____ 1. $f(x) = |x + 7|$ _____ 2. $f(x) = x + 6$ _____ 3. $f(x) = |x| - 6$
 _____ 4. $f(x) = x^2 - 4$ _____ 5. $f(x) = 3^x + 6$ _____ 6. $f(x) = (x + 5)^3$

A.



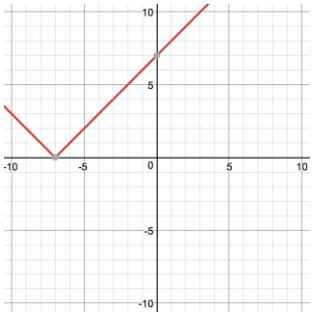
Parent Function: _____
Transformations: _____

D.



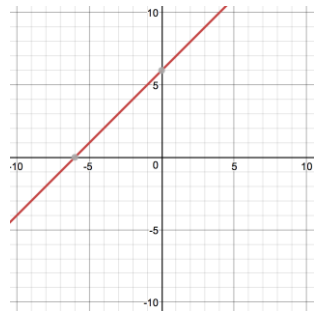
Parent Function: _____
Transformations: _____

B.



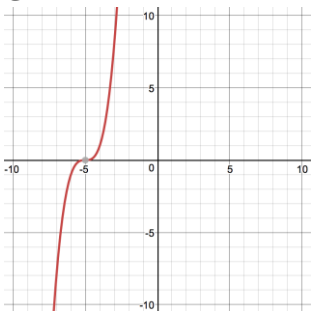
Parent Function: _____
Transformations: _____

E.



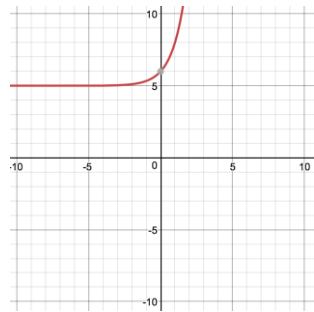
Parent Function: _____
Transformations: _____

C.



Parent Function: _____
Transformations: _____

F.



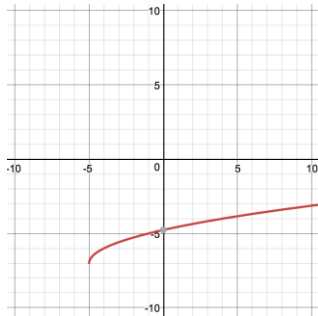
Parent Function: _____
Transformations: _____

Match each function with its graph. For EACH graph, state the parent function and the transformations from the parent function.

- _____ 7. $f(x) = |x + 4| - 6$
 _____ 9. $f(x) = (x - 3)^2 + 4$
 _____ 11. $f(x) = \sqrt{x + 5} - 7$

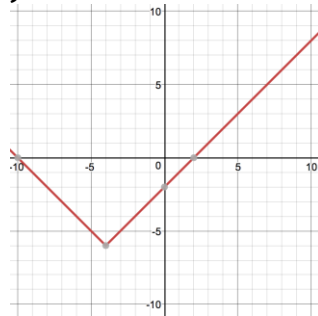
- _____ 8. $f(x) = \sqrt{x + 5}$
 _____ 10. $f(x) = (x + 6)^2 - 4$
 _____ 12. $f(x) = (x + 5)^3 - 6$

G.



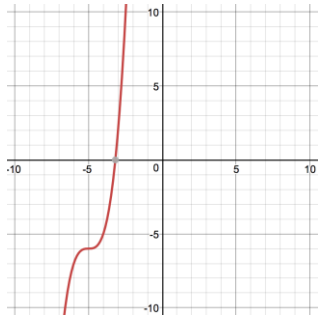
Parent Function: _____
 Transformations: _____

J.



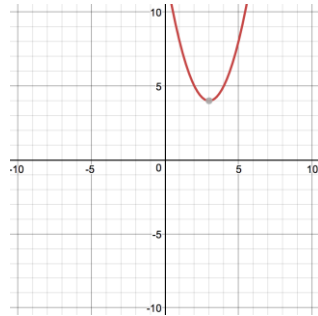
Parent Function: _____
 Transformations: _____

H.



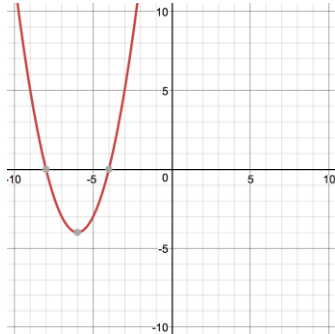
Parent Function: _____
 Transformations: _____

K.



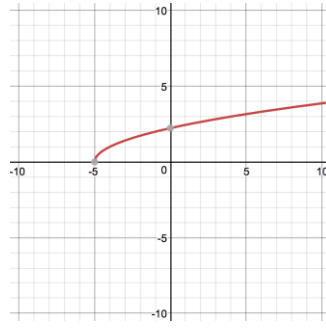
Parent Function: _____
 Transformations: _____

I.



Parent Function: _____
 Transformations: _____

L.



Parent Function: _____
 Transformations: _____

