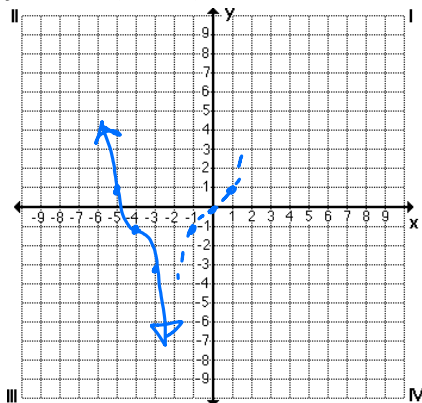


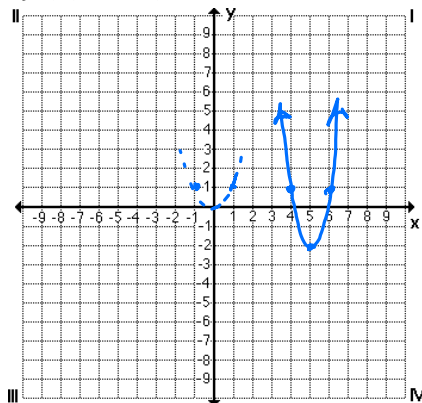
Algebra 2 Function Families

HW #4: Graph each function using transformations. State the parent function and describe the transformation.

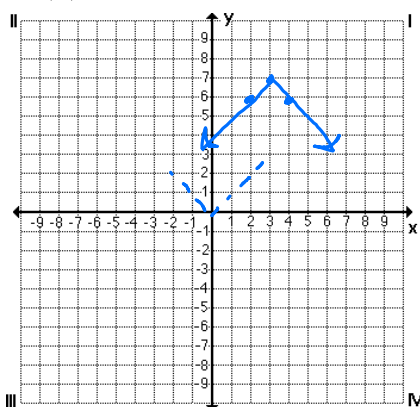
1. $y = -2(x + 4)^3 - 1$



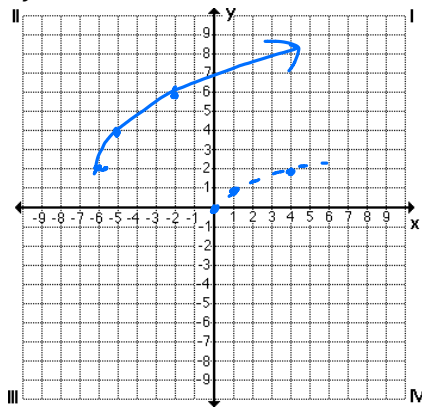
2. $f(x) = 3(x - 5)^2 - 2$



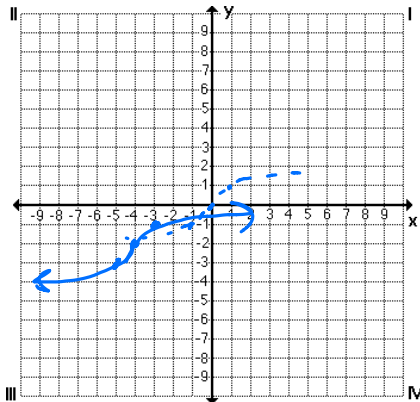
3. $h(x) = -|x - 3| + 7$



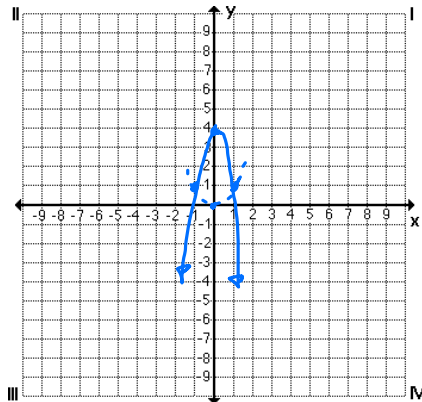
4. $y = 2\sqrt{x + 6} + 2$



5. $g(x) = \sqrt[3]{x + 4} - 2$

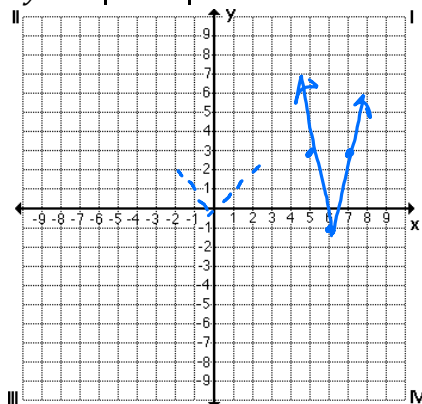


6. $f(x) = -3x^2 + 4$

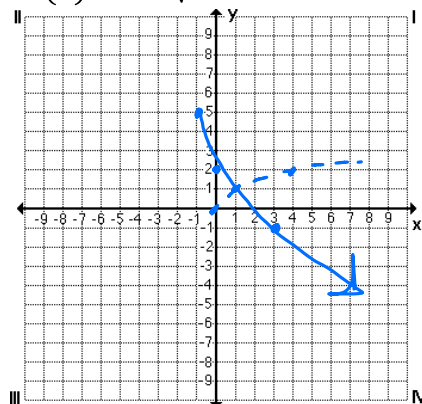


Algebra 2 Function Families

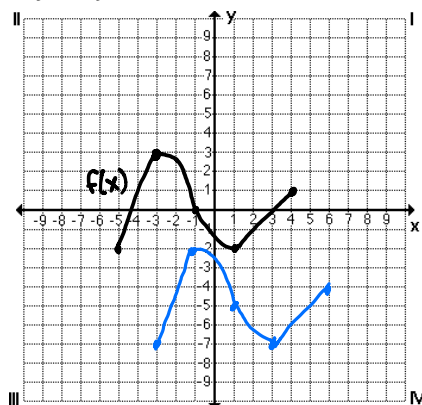
7. $y = 4|x - 6| - 1$



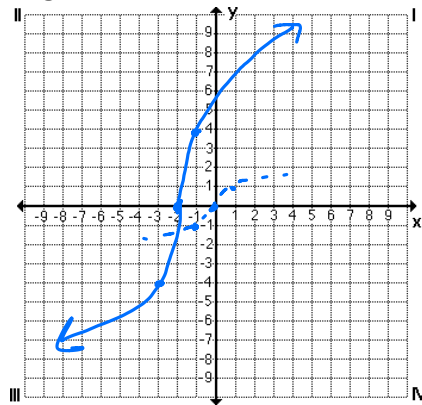
8. $h(x) = -3\sqrt{x+1} + 5$



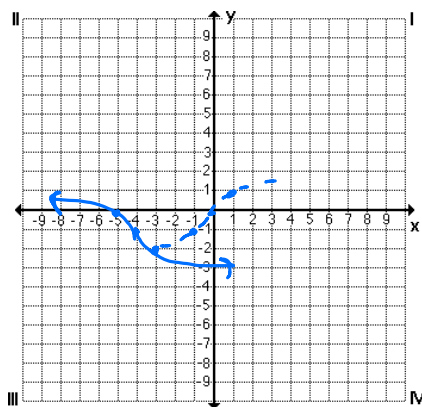
9. $y = f(x - 2) - 5$



10. $g(x) = 4\sqrt[3]{x+2}$



11. $y = -(x + 4)^3 - 1$



12. $y = -\frac{1}{2}f(x) + 3$

