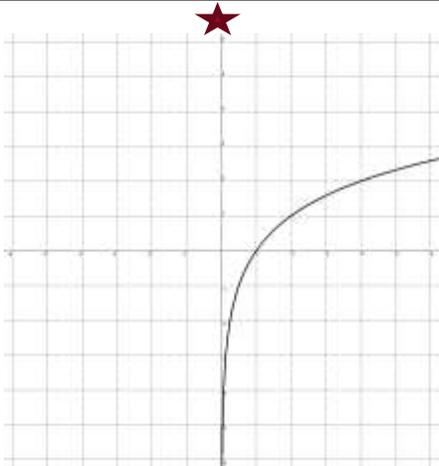
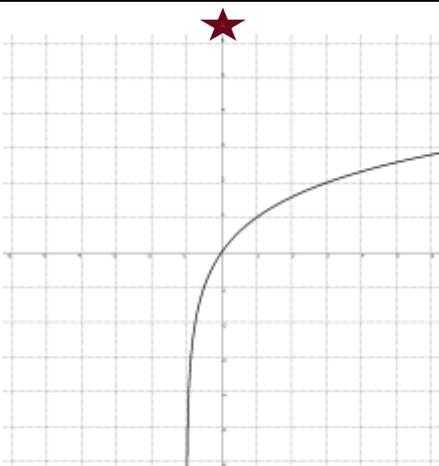
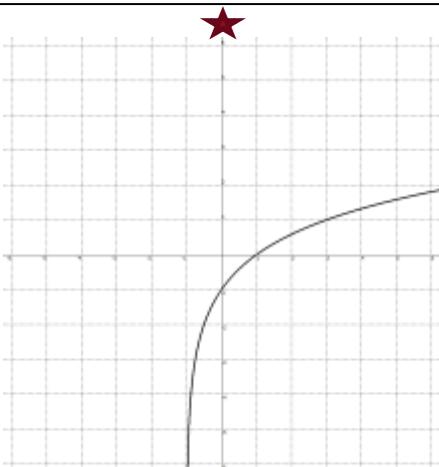
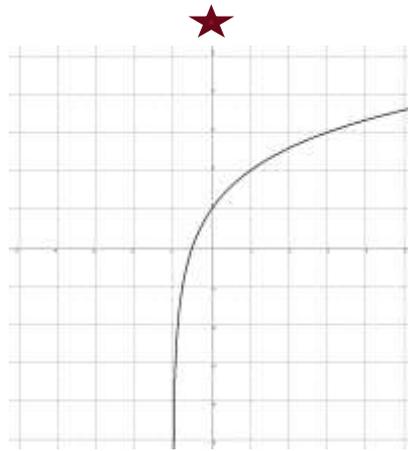


Function Families

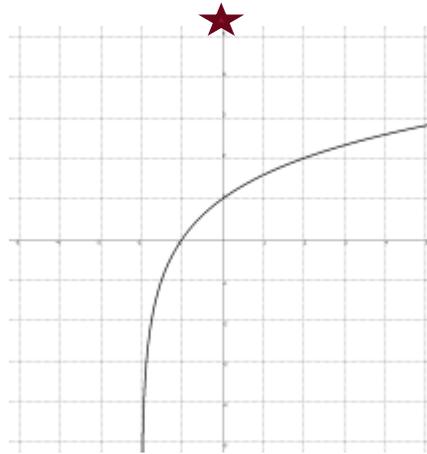
Directions: Cut out each row of the table below. Then, fold along the dotted line and glue in place so that the equation appears on the back of each corresponding graph.

$f(x) = \log_2(x)$	
$f(x) = \log_2(x + 1)$	
$f(x) = \log_2(x + 1) - 1$	

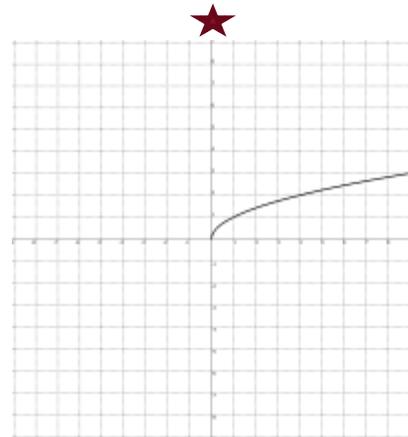
$$f(x) = \log_2(x+1) + 1$$



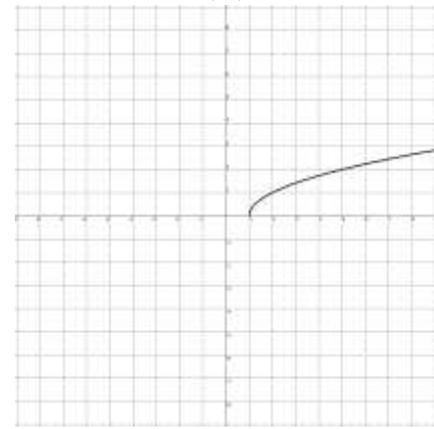
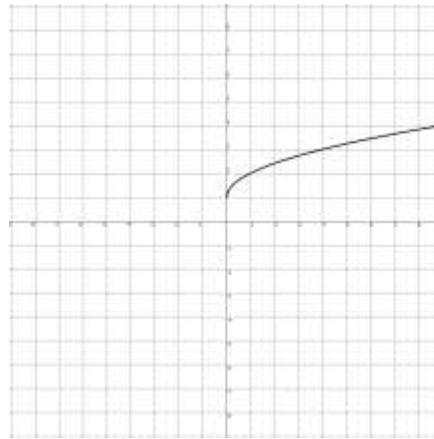
$$f(x) = \log_2(x+2)$$



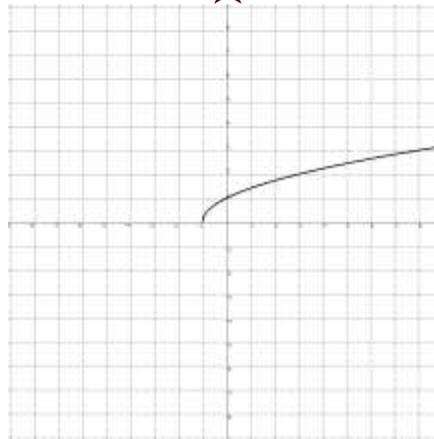
$$f(x) = \sqrt{x}$$



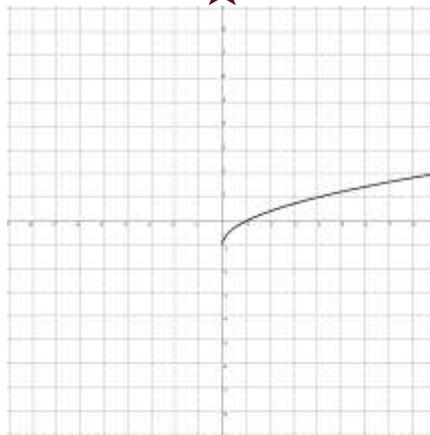
$$f(x) = \sqrt{x} + 1$$



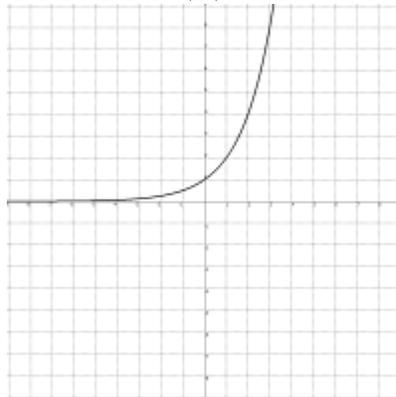
$$f(x) = \sqrt{x+1}$$



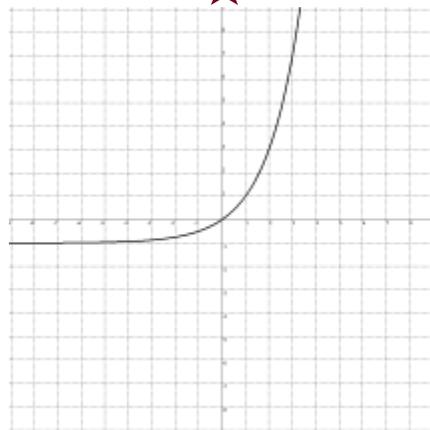
$$f(x) = \sqrt{x} - 1$$



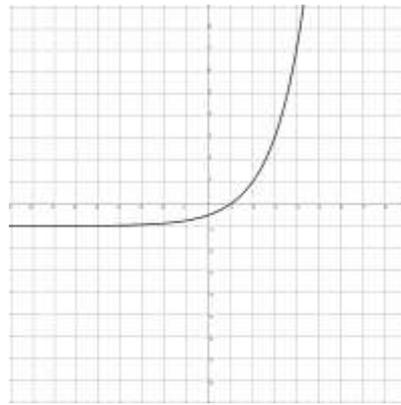
$$f(x) = 2^x$$



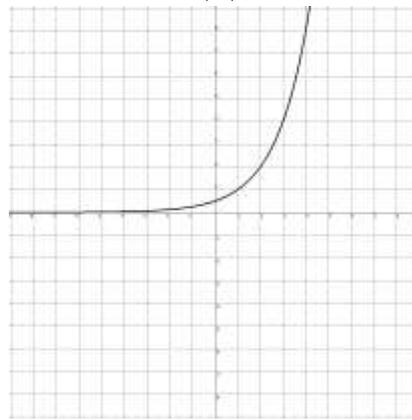
$$f(x) = 2^x - 1$$



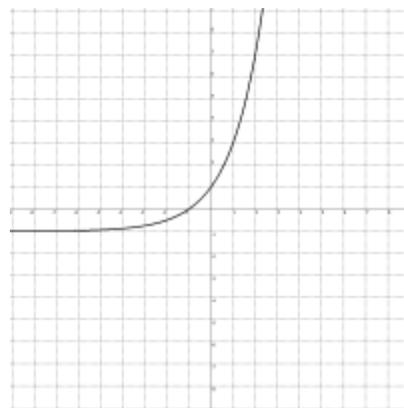
$$f(x) = 2^{x-1} - 1$$



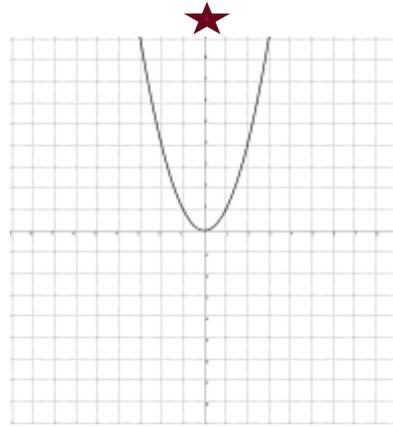
$$f(x) = 2^{x-1}$$



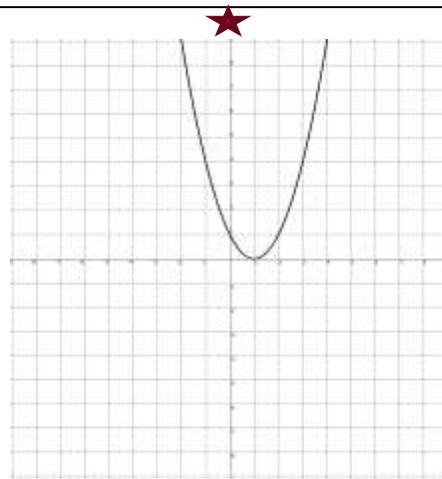
$$f(x) = 2^{x+1} - 1$$



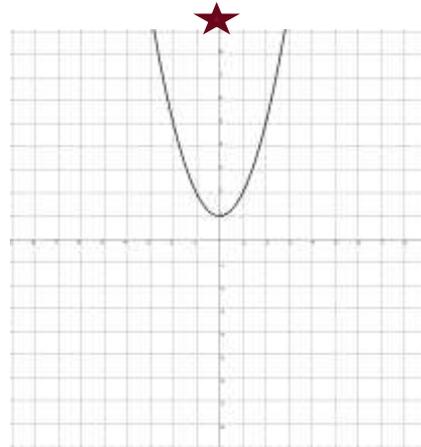
$$f(x) = x^2$$



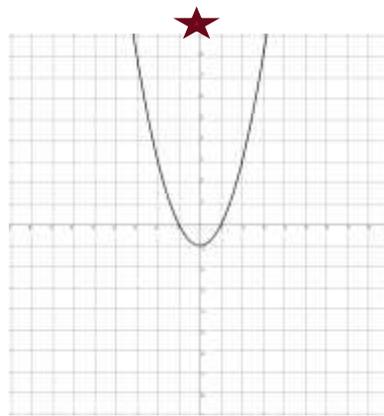
$$f(x) = (x-1)^2$$



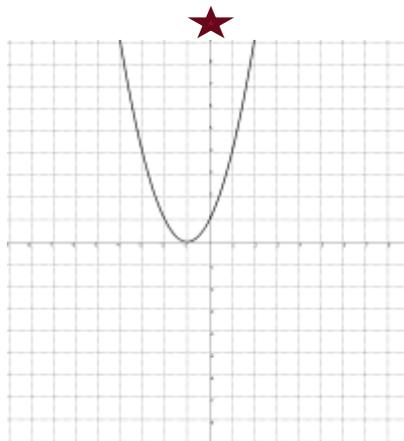
$$f(x) = x^2 + 1$$



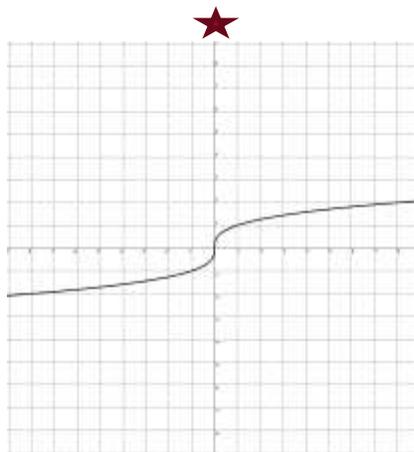
$$f(x) = x^2 - 1$$



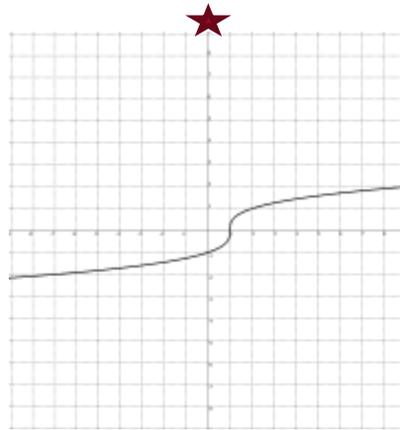
$$f(x) = (x+1)^2$$



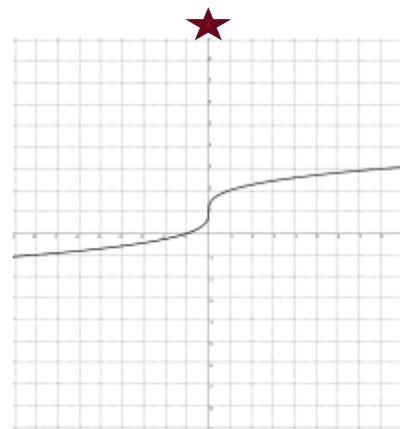
$$f(x) = \sqrt[3]{x}$$



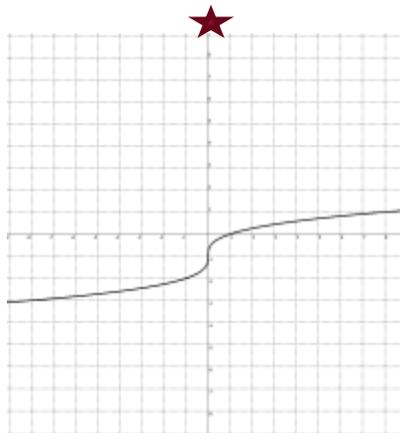
$$f(x) = \sqrt[3]{x-1}$$



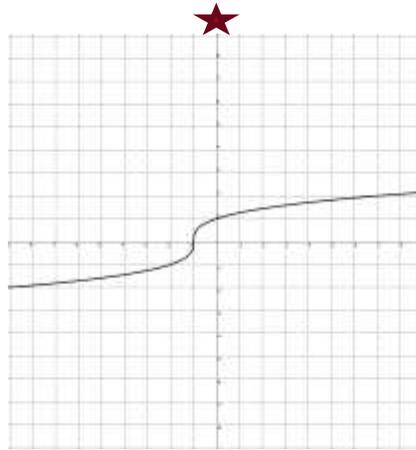
$$f(x) = \sqrt[3]{x} + 1$$



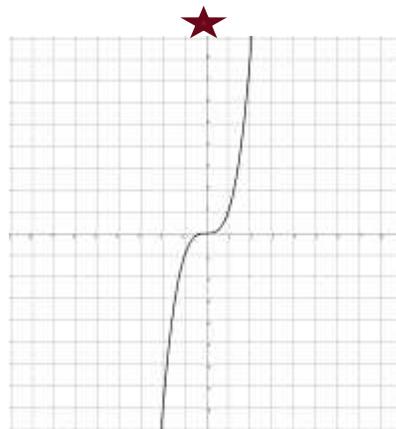
$$f(x) = \sqrt[3]{x} - 1$$



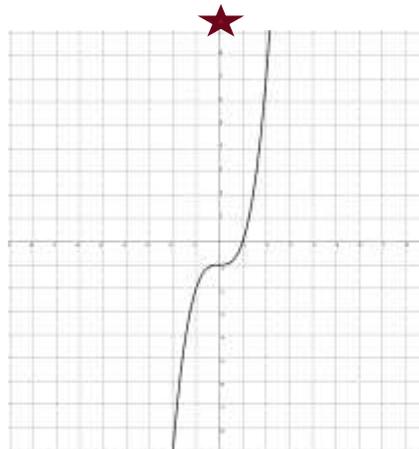
$$f(x) = \sqrt[3]{x+1}$$



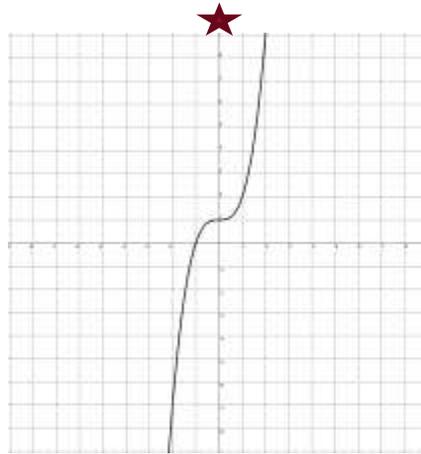
$$f(x) = x^3$$



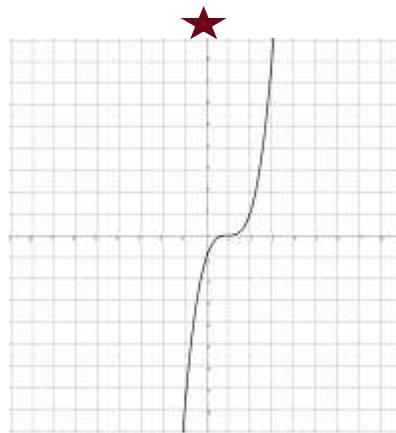
$$f(x) = x^3 - 1$$



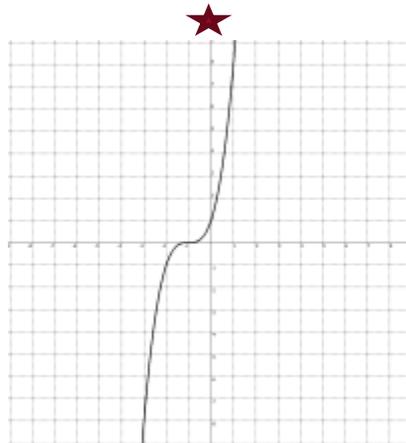
$$f(x) = x^3 + 1$$



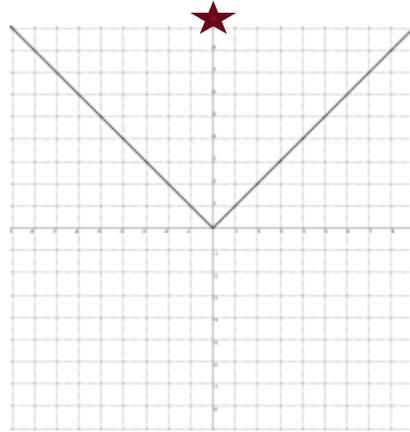
$$f(x) = (x-1)^3$$



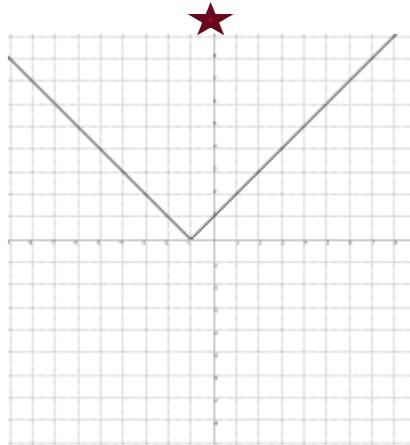
$$f(x) = (x+1)^3$$



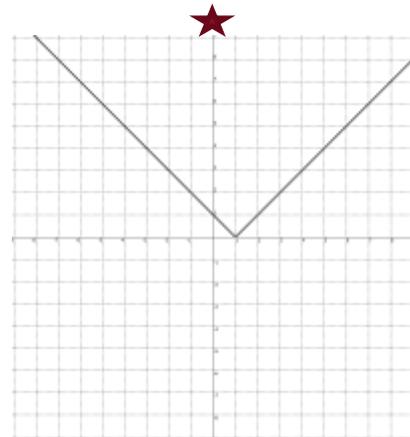
$$f(x) = |x|$$



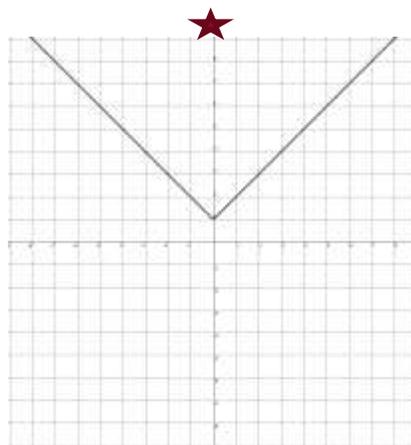
$$f(x) = |x + 1|$$



$$f(x) = |x - 1|$$



$$f(x) = |x| + 1$$



$$f(x) = |x| - 1$$

