

#15

a. Make a careful graph of each function's inverse on the same set of axes as its corresponding function. Look for a way to make the graph without determining the equation of the inverse first. Be prepared to share your strategy with the class.









#22 Consider the function $g(x) = (x - 3)^2$.

a. How can you restrict the domain of
g(x) so that its inverse will be a function?b. Graph g(x) with its domain restricted, and then graph $g^{-1}(x)$ on
the same set of axes.c. What is the equation for $g^{-1}(x)$?c. What is the equation for $g^{-1}(x)$?

#23 How can you determine from a graph whether its inverse will be a function? Explain. What are some examples of other functions whose inverses are not functions?