

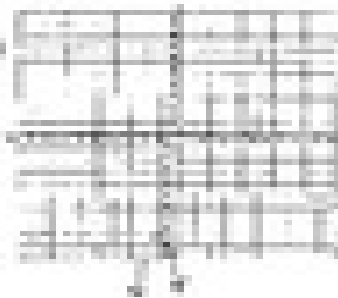


Verify the parent function, describe the transformations, and graph each parent function with the transformations.

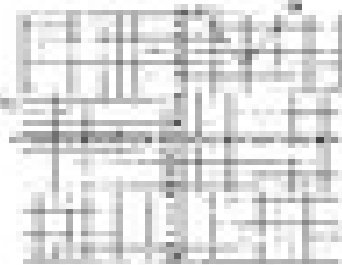
Graph $f(x) = 2x^2 - 4$ P.F. = $g(x) = x^2$

Graph $f(x) = 2(x-3)^2$ P.F. = $g(x) = (x-3)^2$

Reflect across
y-axis
stretch 2
down 4



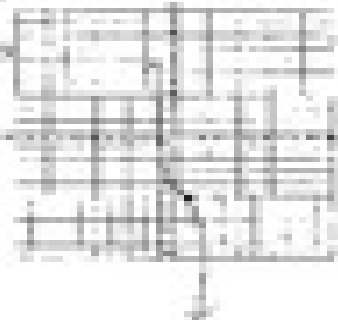
stretch 2
Right shift 3
stretch 2
left 3
up 2



Graph $f(x) = 2(x-3)^2 - 4$ P.F. = $g(x) = x^2$

Graph $f(x) = 2(x-3)^2 - 4$ P.F. = $g(x) = (x-3)^2$

Reflect across
y-axis
stretch 2
stretch 2
right 3
down 4



Stretch 2
left 3
up 2

