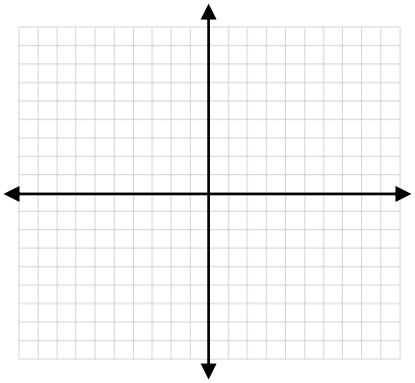
Pre-Cal Pre-AP AB Worksheet Rev 2015 Name _____
3.4: Graphing Transformations Date _____ Period _____

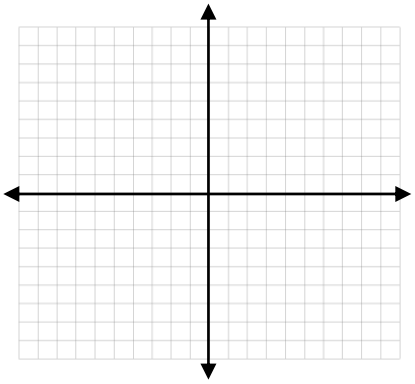
Graph each function with at least five points, determine the "new origin," scalar, and transformation.

1) $f(x)=3(x+1)^2-2$



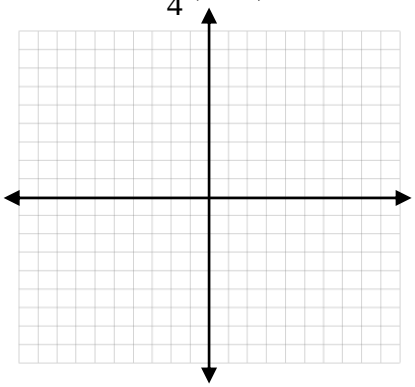
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

2) $g(x)=-2|x+1|+5$



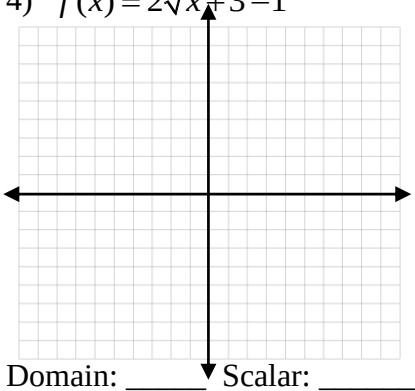
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

3) $h(x)=-\frac{3}{4}(x-1)^3-2$



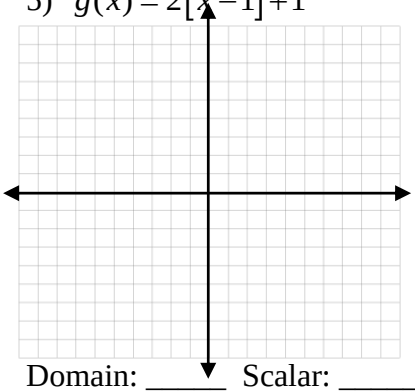
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

4) $f(x)=2\sqrt{x+3}-1$



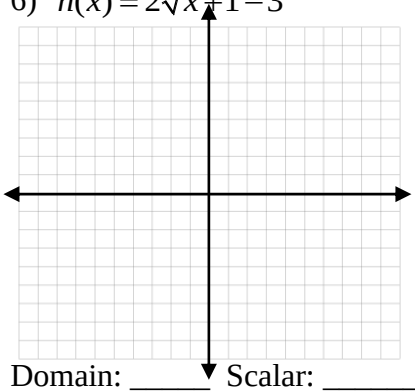
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

5) $g(x)=2[x-1]+1$



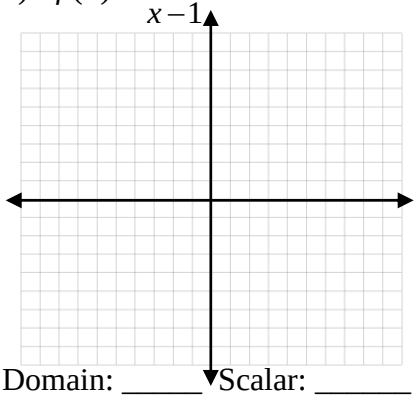
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

6) $h(x)=2\sqrt[3]{x+1}-3$



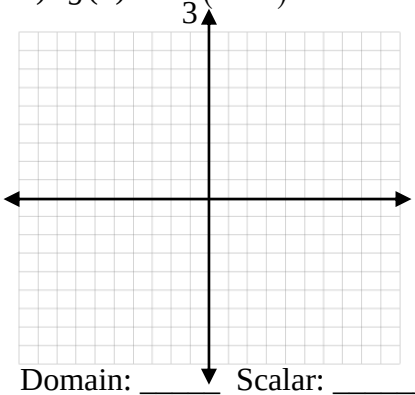
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

7) $f(x)=\frac{2}{x-1}-5$



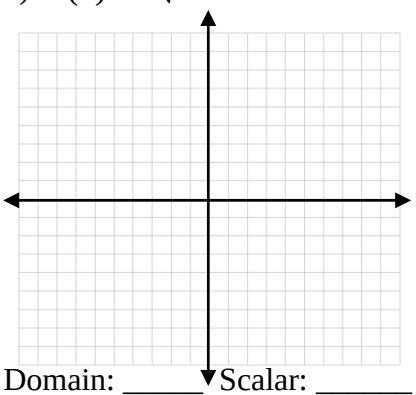
Domain: _____ Scalar: _____
Translation: _____
Origin: _____

8) $g(x)=-\frac{1}{3}(x-2)^2-1$



Domain: _____ Scalar: _____
Translation: _____
Origin: _____

9) $h(x)=-\sqrt{x-4}+2$



Domain: _____ Scalar: _____
Translation: _____
Origin: _____