

Statement of Integrity: I certify that the work I am submitting is my original work. I have not shared nor exchanged information or materials with anyone, nor will I do so in the future.

Signature _____

I. WITHOUT A CALCULATOR, Graph the following transformations. Identify the transformations and the characteristics of the graphs. (1 point per transformation/characteristic, 2 points per graph)

1. $g(x) =$

Transformations: _____

Domain: _____

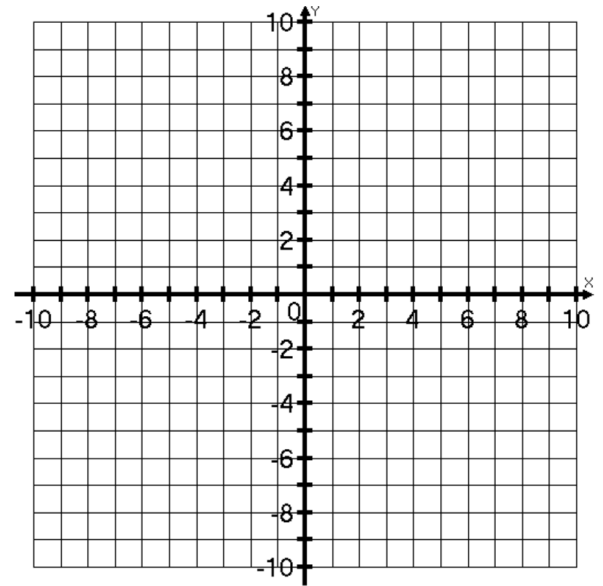
Range: _____

Extrema: _____

Inc/Dec: _____

X-Int: _____ Y-Int: _____

End Behavior: As $x \rightarrow$ ____, $g(x) \rightarrow$ _____



2. $f(x) =$

Domain: _____

Range: _____

Extrema: _____

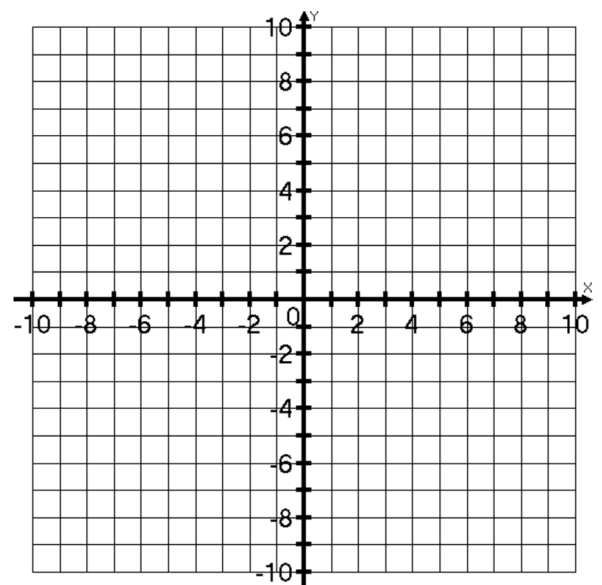
Inc: _____

Dec: _____

X-Int: _____ Y-Int: _____

End Behavior: As $x \rightarrow -\infty$, $f(x) \rightarrow$ _____

As $x \rightarrow \infty$, $f(x) \rightarrow$ _____

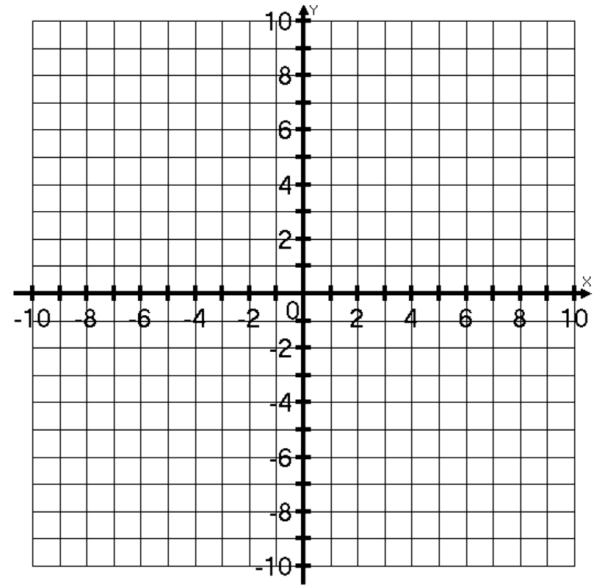


#3 & 4, 4 points each

3. $h(x) =$

Domain: _____

Range: _____



4. $k(x) =$

