1. Identify the toolkit functions (name of function) whose domain is not $(-\infty, \infty)$.
2. Name the toolkit functions that are bounded
3. Name the toolkit functions for which this is true: $\lim _{x \rightarrow-\infty} f(x)=0$
$\qquad$
4. Write the resulting function if $f(x)=x^{3}-x^{2}+1$ is horizontally shrunk by $\frac{1}{3}$
$\qquad$
5. Write the resulting function if $f(x)=\sqrt{x-5}$ is shifted right 2 , vertically stretched by 3 and reflected over the $x$-axis.
$\qquad$
6. Using the function in question \#5, write the resulting function if $f$ is reflected over the $y$-axis and shifted down 2
$\qquad$
7. Write the resulting function if a reciprocal function is shifted 4 to the left, reflected over the $x$ axis and moved up 2

Graph the following using at least $\mathbf{3}$ anchors. Identify shifts and translations
8. $f(x)=-2(x-2)^{3}+1$
9. $f(x)=\left|\frac{x}{2}\right|-3$
10. $f(x)=\sqrt{2 x-4}$

