HINTS OF HW5
MATH 185

3. Consider the function $e^{iz}/(z^2+a^2)$.

13. Consider the function $g(z)=(z-z_0)f(z)$ on the punctured disc $\mathbb{D}_r^\times(z_0)=\mathbb{D}_r(z_0)\backslash\{z_0\}$. What's the type of singularity at z_0 for $g(z)$?