Take Home Problem
Consider the following function then compute the limits: $f(x)=\frac{x+\sqrt{3}}{9-x^{2}}$

$$
\lim _{x \rightarrow 3^{+}} f(x)=
$$

$$
\lim _{x \rightarrow 3^{-}} f(x)=
$$

$$
\lim _{x \rightarrow 3} f(x)=
$$

$$
\lim _{x \rightarrow \infty} f(x)=
$$

$$
\lim _{x \rightarrow-\infty} f(x)=
$$

