Take Home Problem

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

$$\lim_{x \to 3^+} f(x) =$$

$$\lim_{x\to 3^-} f(x) =$$

$$\lim_{x\to 3} f(x) =$$

$$\lim_{x\to\infty}f(x)=$$

$$\lim_{x\to -\infty} f(x) =$$