$$
\text { Theorem } 14 \text { (LHospital's Rule). If } \lim \frac{f(a)}{g(a)} \text { equals } \frac{0}{0} \text { or } \frac{ \pm \infty}{ \pm \infty} \text { (and } \lim \frac{f^{\prime}(x)}{g^{\prime}(x)} \text { equals a }
$$

