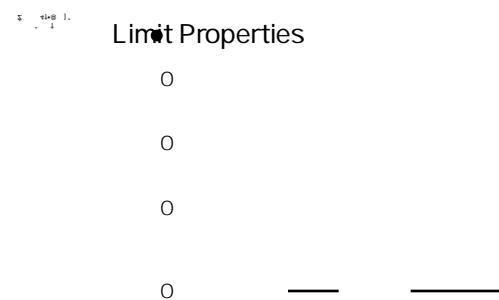


~ ~ ! { ! ! m !) (~ ! #) / f l ! ~ !)

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Fundamental Theorem of Calculus

- o If $f(x)$ is continuous on $[a,b]$ and $F'(x) = f(x)$:

—

Integration by Substitution

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- o Example: Evaluate

Let $u = \dots$, so \dots

—

—

—

So,

—

Integration by Parts

0

where

0

- o Example: Evaluate

Let $u = \dots$ and $v = \dots$

—

So, $u = \dots$ and $v = \dots$

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