Indefinite Vs. Definite Integreals

 in generic anti-derivative

 where & c is a constant

 a number

ie: the weighted area

Between &

For

Recall: Chain Rule

Substitution:

Eg:

Substitution

Eg:

Check:

Eg:

Eg:

Eg:

Where do and intercept?

From

 is above

From to

 is under

From to

 is above

Area

Area between and for

Their graphs intersect at