

CHAIN RULE SONG

Chain rule song (not really a mnemonic at all cuz it is much too long and complicated, but my kids will always sing it once or twice and when they have learned the chain rule, they can see where the lyrics are coming from)—Sing to the tune of Allouette

Composite function differentiation

Use the chain rule

Here is what you do.

First you take D_v of u

Times it by the D of u

All you do's $dv du$

OOOOOOOOOOOOOH

If your function's

Got lots of compositions

Inside one another

Just you chain on through

Working from the outside in

Chain until you reach the end

$D_f dg dh di dj dk dl dm dn do dp dq$

OOOOOOOOOOOOOOOOOOOH

That's the chain rule

For differentiation

Of composities

Chain until you're through

If you work from outside in

Take the D of every one

Multiply them all, you see

Then you'll have the function's D

$D_f D_g$ the function's D

OOOOOOOOOOOOOOOOOH

