7.6 We the dad gum tables in the back of the book!

$$\int_{0}^{\frac{\pi}{2}} \frac{13^{2} dx}{\sqrt{1-x^{2}}} \frac{x}{\sqrt{1-x^{2}}} = \int_{0}^{\frac{\pi}{2}} \frac{13^{2} dx}{\sqrt{1-x^{2}}} = \int_{0}^{\frac{\pi}{2}} \frac{13^{2} dx}{\sqrt{1-x^{2}}$$

$$\int_{0}^{\frac{\pi}{2}} \frac{13r^{2}dx}{\sqrt{1-x^{2}}} = \int_{x=0}^{x=\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{x=\frac{\pi}{2}} \frac{13r^{2}\theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}dx}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}dx}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|}$$

$$= \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta d\theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{13r^{2}\theta \cdot \omega s \theta}{|\omega s \theta|} = \int_{x=0}^{\frac{\pi}{2}} \frac{$$

$$\int 3e^{4x} e^{4x} dx$$

$$= 3 \int e^{4x} e^{4x} dx = \int 3 \int e^{4x} dx = \frac{3}{4} \int e^{4x} dx =$$

Vintually every evon in lecture is from rushing & not writing as thoroughly as I might/should.

99% of 7.5 is pattern recognition and so-called "mathematical intuition."

I'll leave you gentlebeings to it and wait to be asked something until 4:15.

Nothing earth-shattering, here. Just examples in the next lecture, as well, in 7.6.

I want to be here to help, but I don't want to be in your way.

I'll hit "record" when you ask me something, if you ask me something and I remember to hit "record."

Now where did I put my coffee?