Many of our previous integration methods arose again within the 7.6 Homework. Which is most challenging for you?

a) improper integrals itself ($\lim_{a \to -\infty}$, $\lim_{b \to \infty}$ or $\lim_{b \to \frac{\pi}{2}}$)

b) trig sub ($x = 2\tan\theta$: $\int \sqrt{4 + x^2}\, dx$, $x = 3\sin\theta$: $\int \sqrt{9 - x^2}\, dx$)

c) integration by parts (integrate a product with different types of functions: v' by detail. $uv - \int u'v\,dx$)

d) w-sub (change of variables. w and derivative dw available)

e) something else, like material prior to this class