And you can verify. Take the derivative of this using the power rule, you indeed get x to the fifth. Let's try another one. Let's try—now we'll do it in blue.
$$\int 5 \chi^{-2} d\chi = 5 \int \chi^{-2} d\chi$$

= 26 + C

 $= 5(\frac{\chi^{-1}}{2} + c)$

And then if we want, we can distribute the 5.
$$= -6 \chi^{-1} + \cdot \cdot$$

Now, we could write plus 5 times some constant, but this is just an arbitrary constant. So this is still just an arbitrary constant. So maybe we could [INAUDIBLE] this.

$$= 5\left(\frac{\chi}{-2+1} + C_{1}\right)$$

$$= 5\left(\frac{\chi^{-1}}{-1} + C_{1}\right)$$

$$= 5\left(-\chi^{-1} + C_{1}\right)$$
If you want it to show that it's a different const

 $= 5(-x^{-1} + C_1)$ If you want it to show that it's a different constant, you could say this is c1, c1, c1. You multiply 5 times c1, you get another constant.

get another constant.
$$= |-5x^{-1} + C|$$

$$\int (5x^{-2}) dx = 5 \int x^{-2} dx$$

And once again, all of these, try to evaluate the derivative, and you will see that you get this business, right over there.