Maths of the Day

$$A(m,1,1) = C(m,1,1) = (-1)^m m!\zeta(m+1)$$

$$A(m,n,x) = \int_0^x \frac{\log^m(1-t)}{t^n}dt$$

$$C(m,n,x) = \int_0^x \frac{\log^m(t)}{(1-t)^n}dt$$