1. 
$$\frac{d}{dx}(\sin x) = \cos x$$

2. 
$$\frac{d}{dn}$$
 (cosk) = - sink

$$7. \quad \frac{d}{dn} \left( n^n \right) = n n^{n-1}$$

8. 
$$\frac{d}{dn}(c) = 0$$

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$$\frac{d}{dn}(c) = 0$$
9.  $\frac{d}{dn}[f'(n)]^n = n[f'(n)] \cdot \frac{d}{dn}(f(n))$ 

11. 
$$\frac{d}{dn}\left(\frac{u}{v}\right) = \frac{-u \frac{d}{dn}(v) + v \cdot \frac{dn}{dn}(u)}{v^{\perp}}$$

15. 
$$\frac{d}{dn} \left( e^{f(n)} \right) = e^{f(n)} \cdot \frac{d}{dn} \left( f(n) \right) \quad 21 \cdot \frac{d}{dn} \left( \cot^{-1} n \right) = \frac{-1}{1+n!}$$

$$22 \cdot \frac{d}{dn} (sec'n) = \frac{1}{n\sqrt{n-1}}$$

23. 
$$\frac{d}{dn} \left( \cos e c' n \right) = \frac{-1}{\kappa \sqrt{\kappa - 1}}$$

2. 
$$\int \chi^h d\chi = \frac{\chi^{n+1}}{n+1} + c$$

II. 
$$\int e^{\pi} dn = e^{\pi} + c$$