$M: \lim_{x\to 0} \frac{x}{\sin x} = \lim_{x\to 0} \cos x$ 2. Hopital) a: $\lim_{x\to 0} x \cot x = \left(\lim_{x\to 0} \frac{x}{\sin x}\right)^2 = 1^2 = 1$) $\lim_{X \to \frac{\pi}{2}} \frac{\cot x}{2} = \lim_{X \to \frac{\pi}{2}} \frac{\cot x}{2}$ 7.6: Arcuspentisjonene Firm elisable verdier: (1) a) aresin = 2? Vet: sin (arcsin =) = = (siden sin () arccin = IT (e) arccos = 2. $\frac{1}{2}\left(\text{siden }\omega\right)\frac{\pi}{3}=\frac{1}{2}$ $\frac{1}{2}\left(\text{siden }\omega\right)\frac{\pi}{3}=\frac{1}{2}\left(\text{siden }\omega\right)$ archan 3? tan (arctan v3) = 13 $archan 3 = \frac{II}{3}$

