

$$f(x) = \begin{cases} \sqrt{x} & \text{if } x \ge 4 \\ 6-x & \text{if } x \le 4 \end{cases} \quad a = 4 \\ 0 & f(4) = \sqrt{4} = 2 \\ 2 & \text{if } x = 2 \\ x \ge 4^{-1} \\ x \ge 4^{-1} \\ x \ge 4^{+} \\ y = 2 \\ x \ge 4^{+} \\ y = 2 \\ x \ge 4^{+} \\ y = 2 \\ y = 2^{-1} \\ y = 2 \\ y = 2^{-1} \\ y$$

f(x)= Sec (x=4x) KEVIEW  $f(x) = Sec (x^2 - 4x)^8$ List: DA derivative represent the slope ...  $f(x) = \operatorname{Sec} x (x^2 4x)^3$ a) 1st Def. fin <u>f(x)-f(a)</u> X-a  $f(x) = \frac{1}{7x^8} - \frac{1}{7}x^8$ 3) and Def. fim f(x+h)-fex) = 🔭 4) Derivatives of 6 trig functions Eq of tangent line D Find slope: sub # m f! a) Point: Findy by subbing X in original f. 3) Point-Slope