



EXAMPLE 6 p. 525 X= = Y= /E+1 t 20 FIND THE UNIT TANGENT & NORMAL VECTURES $\frac{dx}{dt} = \frac{1}{2} \frac{dY}{dt} = \frac{1}{2} \frac{1}{2} \frac{1}{2}$ $\frac{dY}{dx} = \frac{dY}{dx} = \frac{1}{2} \frac{(4)}{2} = \frac{1}{2}$ (2,1) HAS A SLOPE OF & , I OK UNIT TANGENT = <2,1> = (=, +) NORMAL = PERPENDICULAR HAS OPPOSITE RECIPEUR SIOPE (-2) <1,-2> HAS A SCOPE OF -2 + OK UNIT NORMAL = <1,-2> = (15, -2) 528 -> 23-26 AU